

PROGRAM OF STUDIES



2012-2013

**LACEY TOWNSHIP
HIGH SCHOOL**

LACEY TOWNSHIP HIGH SCHOOL

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INTRODUCTION

Lacey Township High School, with an enrollment of approximately 1,600 students, offers a wide range of educational opportunities for students in grades nine through twelve, through a comprehensive program of curricular and co-curricular studies. Courses are offered for those who expect to continue their education after high school and for those who plan to seek employment immediately after graduation. The Lacey Township High School day consists of seven periods plus a 30-minute lunch. All students shall be provided with an equal opportunity to achieve their maximum potential through the programs offered regardless of race, color, creed, religion, sex, national origin, social or economic background.

An important decision for the high school student is the choice of curricular offerings and program of studies. Counselors will assist each student in selecting courses which correspond to individual needs, interests, and abilities. Each student should select courses with great care in view of the following: future educational/career goals, graduation requirements, and areas for the exploration and development of special talents and interests. Student planning should be designed for the entire four years in high school. However, annual evaluation must be conducted for possible modifications in light of changes in future plans.

This curriculum guide has been compiled as a reference for parents and students in scheduling courses at Lacey Township High School for next year. In addition to a summary of all courses, this guide contains information about graduation requirements, grading procedures, student services, etc. Decisions on course selections should be firm because it will be difficult to make changes later. It is important to note that after all registrations have been completed, the school reserves the right to drop courses for insufficient enrollment. In such cases, students will be placed in an alternate subject. However, every effort will be made to avoid such situations.

Since no publication can answer all questions, parents and students are encouraged to contact the Lacey Township High School Guidance Office whenever they have any questions or concerns. The registration process will begin with a general student orientation during which registration materials will be distributed. Individual student conferences will be conducted with counselors to finalize course selections. It is hoped that this publication will prove helpful and that students will make full use of the many opportunities offered at Lacey Township High School. The entire staff extends best wishes for very happy and successful years in high school.

STUDENTS WITH DISABILITIES (504)

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination against persons with a disability in any program receiving federal financial assistance. The Lacey Township School District is responsible for preventing discrimination in policy, programs, and practices regarding personnel and students.

The Lacey Township School District is responsible for identifying, evaluating, and affording equal access of appropriate educational services for students who are deemed eligible for Section 504 services. Parents or guardians of children who believe their child has a disability that requires modifications or accommodations to his or her educational program should contact the Building Principal or submit a written request to: Dr. Vanessa P. Clark, Assistant Superintendent/504 Coordinator, 200 Western Blvd., Lanoka Harbor, NJ 08734.

AFFIRMATIVE ACTION

The Lacey Township Board of Education reaffirms its policy to insure equal educational opportunity for all students and to prohibit discrimination because of sex, race, color, creed, religion, ancestry, national origin, social or economic status, or disability in the educational programs and activities, not limited to but including course offerings, athletic programs, guidance and counseling, test and procedures, parenthood, sexual orientation and marital status, through an intensive affirmative action program which shall be an integral part of every aspect of educational policies and programs to the maximum extent possible.

The Board of Education also reaffirms its policy to insure equal employment opportunity for all persons to prohibit discrimination in employment because of sex, race, color, creed, religion, national origin, age, domicile, marital status, or non employment in the public education system of the school district. An intensive affirmative action program shall be an integral part of every aspect of employment, not limited to but including upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay, or other forms of compensation including fringe benefits, employment selection or selection for training and apprenticeship promotion or tenure.

GUIDANCE OFFICE

The Guidance staff is located in the high school to provide the students, parents and teachers with a variety of services which enable the student to participate fully in the educational program. Each member of the Guidance staff has been trained to provide assistance to parents and students. These include six guidance counselors and the Child Study Team, comprised of a social worker, a learning disabilities teacher consultant, a school psychologist, and a speech therapist. For questions or an appointment, call 609-971-2040.

Each student is assigned by alphabet to a guidance counselor. Conferences between the student and counselor are held periodically. The main purpose of the counseling services is to assist each student in reaching their potential. Assistance is given to students in methods of self-analysis and improvement based on information that is available from the results of tests, grades, teachers' ratings, parental consultation, etc.

The Guidance staff provides assistance to parents and students in many areas such as academic planning, orientation to the school, assessment on both an individual and group basis, identification of learning problems, development of an Individual Educational Plan for special education students, career counseling and planning, personal and social counseling, college, technical, trade and nursing school planning and placement, and financial aid and scholarship service.

STATE AND DISTRICT GRADUATION REQUIREMENTS

In order for a student to graduate from Lacey Township High School and receive the State-endorsed Board of Education diploma, a student must:

1. Earn 120 credits distributed as follows (Class of 2013 onward):

	<u># of Credits</u>
English 9,10,11,12	20
U.S. History 1,2	10
World History 1	5
Physical Ed. 9, 10, 11, 12	15
Health 9, 10, 11, 12	5
Math	15 (3 yrs.)
Science	15 (3 yrs.)
Financial, Economic, Business Entrepreneurship	2.5 (Class of 2014 onward)
Career - Technical Education	5
Visual/Performing Arts	5 (1 yr.)
World Language	5 (1 yr.)
Electives	20 (Class of 2013 onward)

2. Pass the New Jersey High School Proficiency Assessment in writing in the junior year and pass the New Jersey Biology Competency Test at the conclusion of the biology course taken. No student may participate in the graduation ceremony or receive a diploma unless all requirements are met.

The following courses satisfy the State of New Jersey's requirement for a
Visual Art or a Career - Technical component:

Architectural Drafting & Design 1, 2
 Ceramics, Sculpture & Textiles
 Computer Aided Drafting & Design 1, 2, 3, 4
 Computer Tech Applications
 Digital Photography 1, 2, 3, 4
 Fashion Design 1, 2, 3, 4
 Fine Art 1, 2, 3, 4
 Graphic Design 1, 2
 Interior Design
 Production Graphics
 TV Production 1, 2, 3, 4
 Woodworking Design and Construction 1, 2, 3, 4

STATE AND DISTRICT GRADUATION REQUIREMENTS

The following courses satisfy the State of New Jersey’s requirement for a Performing Art **or** a Career - Technical component:

- Acting 1, 2, 3, 4
- Advanced Placement Music Theory
- Concert Band/Concert Choir
- Introduction to Theatre
- Music Theory 1
- Select Ensemble

The following courses satisfy the State of New Jersey’s requirement for a Career - Technical component **only**:

- | | |
|---|--|
| <ul style="list-style-type: none"> Accounting 1 Advance Placement Biology Advanced Placement Calculus AB, BC Advanced Placement Chemistry Advanced Placement Computer Concepts Advanced Placement English 1, 2 Advanced Placement Physics Advance Placement US History 2 American Government Anatomy and Physiology Automated Accounting 2 Child Development 1, 2/Lab 3/Lab Computer Integrated Manufacturing Computer Programming 1 Computer Programming 2 Contemporary Living Creative Culinary Arts Creative Writing 1, 2 Criminology Culinary Arts Around the World | <ul style="list-style-type: none"> Digital Electronics Design Economics Electronics/Electrical Design & Technology 1, 2, 3, 4 Entrepreneurship/Small Business Management Ethics & Morality Exploratory Business Film and Visual Literacy Financial Literacy Forensic Science German 5 Honors Introduction to Culinary Arts Introduction to Engineering Design Marketing Education 1 Marketing Education 2 w/Co-Op Office Education 2 w/Co-Op Personal Computer Troubleshooting & Repair 1, 2 Principals of Engineering Social and Behavioral Sciences Spanish 5 Honors Student Intern - MD Program |
|---|--|

CREDITS AND PROMOTION

A student must carry a minimum of 35 credits a school year.

In order to be a sophomore, junior or senior in good standing, the following number of credits must be earned:

- Senior90 credits
- Junior60 credits
- Sophomore30 credits
- FreshmanSatisfactory credits for eight years
of elementary and middle school

All required courses must be passed in proper sequence. Students will not be able to enroll in the next level of course until passing the previous level course.

STATE AND SCHOOL ELIGIBILITY

New Jersey State Interscholastic Athletic Association Eligibility Rules apply to all Freshman, Junior Varsity, and Varsity Teams

1. ELIGIBLE if a student has not reached the age of 19 prior to September 1st.
2. ELIGIBLE during the first semester (September 1 to January 31) if a student has passed 25% of the credits required by the State of New Jersey for graduation, during the immediately preceding academic year ELIGIBLE FOR SPRING SPORTS (second semester - February 1 to June 30) if a student has passed the equivalent of 12-1/2% of the credits required by the State of New Jersey at the close of the preceding semester (January 31). Full year courses shall be equated as one-half of the total credits passed during the immediately preceding semester.
3. ELIGIBLE if transfer because of a change of residence by parents or as approved by the Executive Committee.
4. ELIGIBLE if no influence used to retain or secure a student.
5. ELIGIBLE to represent his/her present school if a student's parents move to another district maintaining secondary school of equal grade or higher provided he/she remains properly enrolled. Any subsequent transfer will be subject to the transfer provisions.
6. NOT ELIGIBLE after the completion of 8 semesters following a student's entrance into the 9th grade, regardless of the fact that a sports season may not be completed.
7. NOT ELIGIBLE after the class in which a student is originally to be enrolled graduate, regardless of transfers during the 3 or 4 year period.

State eligibility for the fall semester in Lacey Township will be the final grades recorded at the end of the school year, including all summer school grades. Eligibility for the spring semester will be based on the numeric average for the first two marking period grades of the school year. All averages ending in .5 or above will be rounded up to the next whole number (e.g. 82.5 - 83) to determine this average.

Students that are scheduled for study hall place themselves in jeopardy of not being eligible to participate in interscholastic competition if they are not passing all their courses at the end of each semester.

It is the responsibility of the student-athlete to keep track of his/her eligibility status. Should there be a question, students and parents are encouraged to contact the Guidance Department regarding enforcement of the rules and by-laws of the NJSIAA.

Beginning with the Class of 2014

All incoming freshmen are eligible to participate in all interscholastic athletic competition during the first semester (1st and 2nd marking periods of the school year). This mandate is applied to all Fall and Winter sports.

Future participation is dependent upon the student meeting the following eligibility requirements:

To be eligible for interscholastic athletic competition during the first semester (1st and 2nd marking periods of the school year) in the second, third, and fourth years of high school, a student must have passed at least 25% of the State of New Jersey required credits for graduation for the preceding academic year (i.e. 120 credits to graduate; therefore, students must pass 30 of these credits). This mandate is applied to all Fall and Winter sports.

To be eligible for interscholastic athletic competition during the second semester (3rd and 4th marking periods of the school year) students must be passing at least 25% of the State of New Jersey required credits for graduation for the first semester (1st and 2nd marking periods excluding the mid term grade) of the current academic year (i.e. 120 credits to graduate; therefore, students must be passing classes which are equivalent of 30 credits in their current schedule). This mandate is applied to Spring sports.

Student School Eligibility for all Co-Curricular Activities

1. High School students must pass 6 courses during a preceding marking period to be eligible for participation in any co-curricular activity.
2. A high school student who does not pass 6 courses will be placed on academic probation during the first 4 weeks of the new marking period. During this time he/she may continue to participate fully in the activity. At the end of four weeks, the student's academic performance will be reviewed. If satisfactory (passing 6 courses), the student is off academic probation and eligible to continue participation. If not satisfactory (not passing 6 courses), the student becomes ineligible for the remainder of the marking period and may not participate in any activities.
3. Eligibility for activities will be determined as follows:
 - a) Fall activities-prior fourth and first marking period grades.
 - b) Winter activities-first and second marking period grades.
 - c) Spring activities-third marking period grades.

NOTE: Incoming grade 9 students are eligible to participate in all co-curricular activities during the first marking period if they have been promoted from grade 8.

Determinations of eligibility under any of the above may be appealed to the High School Principal who shall consider any mitigating or extenuating circumstances. The decision of the Principal is final.

SUMMER SCHOOL

Students failing a required subject are encouraged to attend summer school immediately following the year they failed the particular subject in order to master skills required of the failed course. Students may only attend summer school with administrative approval. In general, a student may not attend summer school if he/she received a “withdrew” (WF), “credit withdrawal” (CW), or an “Incomplete” (I) in a particular course.

CREDIT WITHDRAWAL

Course credit may be withdrawn if a student has not attended a minimum of 90% of the class meetings. A student may appeal a credit withdrawal (CW). Forms may be obtained in the Attendance office. A CW may also be issued if a student has excessive cuts in class.

COURSE WITHDRAWAL

For students withdrawing from a course, the deadline will be two weeks into the first marking period. For students taking a half-year course in the second semester, the deadline for withdrawing from the class will be two weeks into the third marking period. The specific deadline is announced and posted in the Guidance Office.

Students dropping a course after these dates will receive a WF as a final grade.

INCOMPLETE

A status of “I” on the report card is given by a teacher and approved by administration in an instance in which the student has been given extended time to complete the requirements of a course. The “I” must be resolved as soon as possible in order to avoid course failure. The “I” will prevent class ranking until it is resolved.

BASIC SKILLS

The Basic Skills and/or Intervention classes are intended to remediate students so that they will be better able to pass state standardized tests in order to fulfill the state-mandated graduation requirements. Students entering high school will be placed into Basic Skills classes in order to prevent the possibility of failure on the High School Proficiency Assessment (HSPA) or end of course tests.

Prior to graduation from high school, all students must demonstrate a minimum level of competency in reading, writing, and mathematics by passing the HSPA in these skill areas. Students must also demonstrate a minimum level of proficiency in biology by passing the New Jersey Biology Competency Test (NJBCT). Students who have not successfully passed the HSPA and the NJBCT will be required to take Basic Skills and/or Intervention classes to address these weaknesses.

Vocational school students who are in jeopardy of not passing state testing will be required to participate in Basic Skills and/or Intervention classes as directed by the administration. Failure to comply may require schedule changes possibly affecting their enrollment in vocational classes.

Students requiring Basic Skills and/or Intervention classes may not opt out.

EARLY GRADUATION

The Lacey Township District Board of Education views the traditional four-year program as essential to secure a high school diploma. However, it is mindful that a small number of academically talented students may profit from an early graduation for the purpose of pursuing higher education. The request for early graduation must be filed by students in their **sophomore** year and be in accordance with the rules and regulations of early graduation. Any parent and student interested in this program should contact the student’s counselor.

FULFILLING GRADUATION REQUIREMENTS THROUGH OPTION 2

Students may utilize Option 2 to fulfill New Jersey and school district Graduation Requirements. The following Option 2 initiatives are available and must be approved through Administration:

- College Courses
- On Line Courses
- Independent Study Courses
- Ocean County Arts High Program
- Fairleigh Dickinson University's Middle College Program

Additional Option 2 initiatives will be considered in the future.

COLLEGE COURSE WORK

A student may enroll in course work at a local college for enrichment purposes and receive no high school credit or may enroll in a course to fulfill a subject needed for graduation and receive credit. Enrollment must be approved by the Principal.

Students may opt to take a course for enrichment. However, college classes will not be included in GPA or rank nor will quality points be awarded.

A course taken to meet a pre-requisite required for entrance into a high school level course will not be given high school credit.

Seniors opting for early release in order to take college coursework must provide documentation to the Guidance Department by no later than the course scheduling deadlines in first marking period (for Fall courses) and third marking period (for Spring courses) or these seniors will be reassigned a full day schedule.

INDEPENDENT STUDY

Independent Study offers students the opportunity to design a program of study to supplement our high school program. Students are provided the opportunity to enroll in an Independent Study program at the eleventh and/or twelfth grade levels. The program must be directly related to a course in which the student is enrolled or has successfully completed. Every program must be administratively approved. Beginning with the Class of 2013, Independent Study courses will not receive course credits and will not count towards GPA and Class Rank.

MIDTERMS AND FINAL EXAMINATIONS

Beginning with the Class of 2015, there will no longer be final examination exemptions for freshmen, sophomores, and juniors. Seniors will continue to be permitted final examination exemptions with a 92 or higher in each marking period and a midterm grade of 84 or higher.

THE SCHEDULING PROCESS

The student schedule is developed in the following steps:

- Step 1** A general presentation by a counselor gives the required information necessary for the student and parent/guardian to request courses for the following year's schedule.
- Step 2** Student meetings are scheduled to inform of course requirements and assist in developing an academic schedule.
- Step 3** Teachers will complete recommendations in all subject areas that are sequential. Counselors will use these recommendations to help schedule students.
- Step 4** Individual parent conferences will be scheduled upon request or as deemed necessary to complete scheduling with students.
- Step 5** The school master schedule is developed and student schedules are generated. Conflicts will be resolved individually with a counselor.

Students will be permitted schedule changes only if their original course selections cannot be honored or there exist extenuating circumstances.

CHANGE OF COURSE POLICY

During the student registration process, the Guidance Department will allow changes in course selections until July 1st. The only exceptions will be the following:

1. A course was omitted.
2. A required course was missing from the student's schedule.
3. Two courses were scheduled at the same time.
4. Student was scheduled for a teacher whom the student had failed a course with previously.
5. There is desire to add a course in lieu of a study hall, provided there are available seats in that particular course.
6. An incorrect level of a course was scheduled.
7. A course requested was canceled due to low enrollment.
8. A student made up a course in summer school and needs to add another course to his or her schedule.
9. A student has registered for a sequence course and has failed the prerequisite course. The student will be contacted by phone to see if he or she would like to repeat the failed subject or select another course.

Once the schedule has been established, the student is expected to keep his or her commitment to the course selections that he or she has chosen.

In the event changes in schedules must occur once the school year has begun, the following procedures will be in effect:

1. The student must obtain a Schedule Change Request Form from the Guidance Department.
2. The student should discuss any planned change with the teacher whose subject he or she wishes to drop. The student must obtain the teacher's written approval to be dropped from the course as well as the Department Chairperson's approval.
3. The student must return this form to his or her counselor for discussion and for the counselor's written recommendation.
4. The student must take this form home and obtain the signature of his or her parents/guardians regarding the particular change.
5. In addition to the returned form, the parent/guardian must call the counselor to verify parental approval.
6. The student must continue to follow the schedule and continue to do the work until an administrative decision has been made regarding the particular request.

In the event that the student has seven subjects and wants to drop a course which he or she feels may give him or her academic difficulty, the student may do so provided:

1. The course is not needed to fulfill graduation requirements.
2. The course is replaced with a course which is offered during the same period.

No changes of teacher within the same course will be made except in special cases or previous failure. Where necessary, such changes will be made at the Administration's discretion and only after extensive investigation and Departmental review of all the circumstances.

After the school year has started, the deadlines for making schedule change requests without penalty are as follows:

1. **Full-year courses - two weeks into the First Marking Period**
Deadlines for schedule changes are posted in the Guidance Office and are stated during school announcements.
2. **Semester courses - for the first semester - two weeks into the First Marking Period. For the second semester - two weeks into the Third Marking Period.**
Deadlines for schedule changes are posted in the Guidance Office and are stated during school announcements.

Course changes made after the above mentioned deadlines will be assessed according to school's course withdrawal policy as indicated in this booklet. These deadlines also apply to seniors interested in early release for Co-Op or coursework.

In all schedule change matters except clerical error, parental permission and/or parental awareness is necessary before any schedule change can be made. **The Principal reserves the right to approve or disapprove any course changes.**

HSPA - 11 TEST

All students must pass the New Jersey High School Proficiency Assessment (HSPA) in Math, Critical Reading and Writing.

The HSPA 11 test will be administered during the time prescribed by the State each school year. The test will be given over a three-day period. Students will spend approximately two and a half hours each day taking the various sections of the test. All juniors as well as designated seniors will take the HSPA. Any student who is absent for any part of the test or who has failed any section will need to participate in make-up testing for those areas.

Students who score below the mandated state scores will be provided with remedial instruction in the failed areas. Students may not opt out of this program.

MARKING SYSTEM

1. Report cards shall be issued quarterly and shall indicate a grade and seven comments for each course.
2. Progress reports may be issued midway through each quarter.
3. Explanation of grades:

92-100	Outstanding Achievement	I	Incomplete
84-91	Above Average Achievement	M	Medical Excuse (Physical Education)
77-83	Average Achievement	CW	Credit Withdrawal "Attendance Policy"
70-76	Minimal Achievement	WF	Withdrawal Failing
Below 70	Unacceptable Achievement (Failing)		
4. All Incompletes must be satisfied within 3 weeks of the issuance of report cards or a WF will be issued.

NEW JERSEY BIOLOGY COMPETENCY TEST (NJBCT)

All students must take a biology class to pass the NJBCT. The NJBCT will be administered during May of the school year that the student has taken the biology class. Students who score below the mandated state score will be provided with remedial instruction. Students may not opt out of this requirement.

CLASS RANK

1. Class rank is determined by the grade point average. Students are ranked within their own grade level only.
2. Grade point average is computed as follows:

$$\text{G.P.A.} = \frac{\text{Total Quality Points}}{\text{Total Credits Attempted}}$$
3. Quality points for each course are determined by multiplying the numerical value (grade weight) by the final grade for the course.

Grade Numerical Values:

<u>Honors/AP</u>		<u>Regular</u>	
Grade Range	Grade Weight	Grade Range	Grade Weight
92-100	5	92-100	4
84-91	4	84-91	3
77-83	3	77-83	2
70-76	2	70-76	1
69	0	69	0

4. Beginning with the Class of 2015

<u>AP</u>		<u>Honors</u>		<u>Regular</u>	
Grade Range	Grade Weight	Grade Range	Grade Weight	Grade Range	Grade Weight
92-100	5	92-100	4.5	92-100	4
84-91	4	84-91	3.5	84-91	3
77-83	3	77-83	2.5	77-83	2
70-76	2	70-76	1.5	70-76	1
69	0	69	0	69	0

5. For each college course taken beyond 30 credits, one additional quality point shall be added to the total number of quality points accumulated. This, in effect, will raise the grade point average. College classes will no longer be included in accumulating quality points.
6. Class rank is calculated a total of 8 times over 4 years for every Lacey Township High School student: once at the mid-term point and once at the conclusion of each school year. Unresolved Incomplete grades will prevent class ranking from taking place until the Incomplete is replaced by a grade for the course.

HONORS / GIFTED PROGRAM

Courses designated as Honors level are designed to provide concentrated investigation into a particular subject area. In addition, the program offers a broad spectrum of subject material. Expanded reading assignments, research activities and independent projects will occupy a major portion of the course.

Courses designated as Honors level are assigned additional grade weight as described under Class Rank.

Honors level courses will be offered according to the following: sufficient student enrollment, scheduling considerations and teacher availability.

Placement into an Honors level course is determined according to the following criteria:

1. Students must score in the top 10% of their class on grade appropriate standardized tests.
2. Students must be recommended by their teacher.
3. Students must maintain at least an 88 average in their honors course or a 92 average in their non-Honors course. The midterm examination grade will also be a consideration.
4. All factors will be considered equally; no single factor will eliminate students from consideration
5. Specific additional criteria may vary according to department. Please consult the Department Chairperson for details.

Students not recommended for placement into an Honors level course may petition for consideration by filing an application with the appropriate Department Chairperson. The last date for petitions is May 8, 2012.

A student needs to be certain of the academic demands of the considered honors courses before submitting the requisite paperwork to gain admittance into the course(s). There is no guarantee that an alternate placement can be found if this choice proves to be incorrect. Any change of placement must begin with the Department Chairperson of the relevant content area.

Honors level courses may be offered in the following areas:

English 9,10,11,12
 Algebra 1,2
 Pre-Calculus
 Geometry
 Biology
 Chemistry
 Physics
 U.S. History 1,2
 World History
 Spanish 4
 French 4
 Latin 4
 German 4

The following courses carry Honors weight:

AP Calculus AB
 AP Calculus BC
 Calculus (H)
 AP English 12
 AP Biology
 AP Chemistry
 AP Environmental Science
 AP Computers
 AP Physics
 AP US History
 AP Music Theory

Advanced Placement (AP) - Students interested in receiving possible college credit for advanced coursework should consult with the specific Department Chairperson for information regarding the AP examination. AP examinations are offered during the spring. Any student desiring to take an AP examination in a subject not offered as an LTHS class must see the relevant Department Chairperson for assistance.

Beginning with the Class of 2015, the grade weight for AP and Honors will be changed. See the breakdown in the "Class Rank" section.

ADVANCED COURSE ELECTIVE

Lacey Township High School recognizes that in certain areas of elective study, students exhaust the offerings in the Program of Studies. These students, upon successful completion of the existing elective course sequence, may be considered for an ongoing level of study in a particular curricular area. Students may request, in conjunction with the classroom teacher and with Administrative approval, additional courses to complement their knowledge for that particular course of study. These courses will contain activities that provide experiences based on the existing curriculum in that area. All offerings will be aligned with the NJCCCS.

SPECIAL EDUCATION

Special Education is provided through several programs which include resource room instruction in English, mathematics, science, and social studies for up to two periods per day. A departmentalized program may provide direct instruction for a student's entire academic program, and an alternative educational program located at an off campus site provides instruction and counseling in Building Trades, academics and Life Skills. In addition, there is a special-needs program available for the multiply disabled (MD).

Students with special education needs are given an opportunity based on Child Study Team recommendations and their respective Individual Education Program to participate in small group learning. The Child Study Team is comprised of a Learning Consultant, a School Psychologist and a Social Worker, on staff to assist teachers, students and parents. Eligibility for special education programs is determined by the Team based upon a comprehensive evaluation. Anyone interested in learning more about these programs should contact the Supervisor of Student Services (See OCVTS Course Selections).

VOCATIONAL SCHOOL

Lacey Township High School cooperates with the Ocean County Vocational-Technical School (OCVTS) by permitting Lacey students to apply for enrollment into a vo-tech program at one of the five vocational centers located throughout Ocean County. Students who are recommended for acceptance into an OCVTS program will attend on a shared-time basis or full-time basis, depending on the program of enrollment.

Please be advised that a student's attendance, discipline, and academic records will be screened by OCVTS for placement purposes. In addition, some programs require a placement test to determine eligibility. For more information on programs, please visit www.ocvts.org

NCAA ELIGIBILITY REQUIREMENTS



NCAA FRESHMAN-ELIGIBILITY STANDARDS QUICK REFERENCE SHEET

KNOW THE RULES:

Core Courses

- **NCAA Division I requires 16 core courses.** See the chart below for the breakdown of this 16 core-course requirement.
- **NCAA Division II requires 14 core courses.** See the breakdown of core-course requirements below. Please note that Division II will require 16 core courses beginning August 1, 2013.

Test Scores

- **Division I** has a sliding scale for test score and grade-point average. The sliding scale for those requirements is shown on page two of this sheet.
- **Division II** has a minimum SAT score requirement of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the four sections on the ACT: English, mathematics, reading and science.
- **All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.**

Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- **Be sure** to look at your high school's list of NCAA-approved core courses on the Eligibility Center's Web site to make certain that courses being taken have been approved as core courses. The Web site is www.ncaaclearinghouse.net.
- **Division I** grade-point-average requirements are listed on page two of this sheet.
- **The Division II** grade-point-average requirement is a minimum of 2.000.

DIVISION I 16 Core-Course Rule

16 Core Courses:

- 4 years of English.
- 3 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 1 year of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy).

DIVISION II 14 Core-Course Rule

14 Core Courses:

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 2 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 3 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy).

PLEASE NOTE: Beginning August 1, 2013, students planning to attend an NCAA Division II institution will be required to complete 16 core courses.

NCAA ELIGIBILITY REQUIREMENTS

OTHER IMPORTANT INFORMATION

- Division II has no sliding scale. The minimum core grade-point average is 2.000. The minimum SAT score is 820 (verbal and math sections only) and the minimum ACT sum score is 68.
- 14 core courses are currently required for Division II. However, beginning 2013, students will be required to complete 16 core courses.
- 16 core courses are required for Division I.
- The SAT combined score is based on the verbal and math sections only. The writing section will not be used.
- SAT and ACT scores must be reported directly to the Eligibility Center from the testing agency. Scores on transcripts will not be used.
- Students enrolling at an NCAA Division I or II institution for the first time need to also complete the amateurism questionnaire through the Eligibility Center Web site. Students need to request final amateurism certification prior to enrollment.

For more information regarding the rules, please go to www.ncaa.org. Click on "Academics and Athletes" then "Eligibility and Recruiting." Or visit the Eligibility Center Web site at www.ncaaclearinghouse.net.

Please call the NCAA Eligibility Center if you have questions:

Toll-free number: 877/262-1492.

NCAA DIVISION I SLIDING SCALE CORE GRADE-POINT AVERAGE/ TEST-SCORE New Core GPA / Test Score Index		
Core GPA	SAT <small>Verbal and Math ONLY</small>	ACT
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

INTRODUCTION

Core Course for NCAA Initial Eligibility

The following core courses have met the NCAA requirements for initial eligibility:

ENGLISH

Creative Writing 1
Creative Writing 2
Creative Writing 3
Creative Writing 4
English 1 / H
English 1
English 2
English 2 / H
English 3
English 3 / H
English 4
English 4 / H
English 4 / AP

MATHEMATICS

Algebra 1
Algebra 1/ H
Algebra 2
Algebra 2 / H
Calculus AB / AP
Calculus BC / AP
Calculus / H
Geometry
Geometry / H
Integrated Algebra 1
Integrated Geometry
Pre-Calculus
Pre-Calculus / H
Prob & Stats / Discrete Math
Senior Math
Statistics / AP
Trigonometry and Elementary Functions

SOCIAL SCIENCE

American Government
Anthropology
Community Affairs
Consumer Law
Criminology
Economics
Geography
Intro to Social Sciences
New Jersey History
Personal Law
Psychology
Social and Behavioral Sciences
Sociology
US History 1
US History 1 / H
US History 2
US History 2 / H
US History AP
World History
World History / H
World History 2

NATURAL / PHYSICAL SCIENCE

Advanced Physics / H (Lab)
Applied Biology
Biology (Lab)
Biology ADV / AP (Lab)
Biology / H (Lab)
Biology / TP
Chemistry / TP
Chemistry (Lab)
Chemistry / AP (Lab)
Chemistry / H (Lab)
Chemistry / ADV
Chemistry 2 H
Earth Science
Environmental Science
AP Environmental Science
General Science
Survey of Science
Marine Biology / Oceanography (Lab)
Physics (Lab)
Physics / AP (Lab)
Physics / H (Lab)

ADDITIONAL CORE COURSES

Computer Programming 1
Conversational Spanish
Conversational Spanish 2
Digital Imaging Technology
Ethics & Morality
French 1
French 2
French 3
French 4 / H
German 1
German 2
German 3
German 4 / H
German 5 / H
Intro to Computers
Latin 1
Latin 2
Latin 3
Latin 4 / H
Multimedia Computing
Spanish 1
Spanish 2
Spanish 3
Spanish 4 / H
Spanish 5 / H

As new courses are added to the curriculum they are submitted to the Clearinghouse for approval.

PATTERNS OF STUDY

The following patterns of studies are offered only as suggested guidelines for course selection; each student has the opportunity to build an individualized program beyond what is required according to needs, interests and abilities. Consideration must be given to a student's anticipated career objectives. It is recommended that electives be chosen not only to further develop a program designed to meet career objectives but also to provide an opportunity to explore other areas of the curriculum offerings.

Electives may be chosen from any subject area.

COLLEGE PREPARATORY

Students planning to attend a two-year or four-year college/university are encouraged to follow this pattern of study.

The **minimum** number of high school (academic) units required for a typical college or university is sixteen (16), distributed as follows:

- English - 4 units
- World Language - 2 units of the same language
- Mathematics - 3 units
- Science (Lab) - 2 units
- Social Studies - 3 units
- Electives - 3 units (to be selected from the above groups)

Note: Each unit is equivalent to one year. Three years of math minimum are now required for all state colleges in New Jersey.

The requirements listed above are general and should not be construed as those which will meet the requirements of all colleges. Students should always plan on taking as many courses as possible in areas you are considering as a major.

Highly selective colleges and universities **require** students to show evidence of a competitive and demanding program of study.

Factors that determine college acceptance are:

1. Four-year scholastic record and class rank. Colleges generally look for students who have graduated in the upper half of their classes.
2. Comments and recommendations of the counselor/teachers.
3. College entrance test scores. Most colleges require the SAT Reasoning Test, the American College Test (ACT), or their own entrance examinations. The emphasis on test performance as it relates to college admissions varies from college to college.

SCIENCE AND HEALTH PATTERN OF STUDY (SH)

These occupations are related to the promotion of health and the treatment of disease.

PATTERN FOCUS AREAS

Science, Technology and Math (STM) – Agriculture, Food and Natural Resources (AFN) – Health Science (HS)

Are you interested in...	Can you...	Do you like...
Health care environment	Work in a lab setting	Solving problems
Science and medicine	Apply scientific theory	Researching
Food production	Work with animals or plants	Developing conclusions
Environment and conservation	Collect and analyze data	Working with numbers
Pharmacy	Work with needy people	Contributing to society
Physical therapy		
Sports/fitness		

If you answered “Yes” to most of the questions, you might consider a future in this field.

SAMPLE CAREERS IN THE SCIENCE AND HEALTH FIELDS

Athletic Trainer	Geneticist	Zoologist
Chiropractor	Actuary	Forensic Scientist
Dietician	Dental Hygienist	Radiologic Technician
Physician Assistant	Pharmacist	Forest Conservationist
Registered Nurse	Landscaper	Nanotechnician
Plant and Soil Scientist	Personal Trainer	Physical Therapist
Environmental Engineer	Physician	Medical Examiner
Marine Biologist	Massage Therapist	Geologist
Veterinarian	Surveyor	Respiratory Therapist
Chemist	Home Health Aide	Dialysis Technician

These courses will help you prepare for a career in the Science and Health Fields:

Accounting	Biology
Computer Programming	Marine Biology and Oceanography Lab
Computer Technical Applications	Advanced Placement Chemistry
Introduction to Engineering	Chemistry
Introduction to Culinary Arts	Physics
Culinary Arts Around the World	Forensic Science
Creative Culinary Arts	Anatomy and Physiology
Probability and Statistics	Calculus
Advanced Algebra and Trigonometry	Social and Behavioral Sciences
Ethics and Morality	Algebra
Geometry	Environmental Science
Pre-Calculus	

BUSINESS, FINANCE AND INFORMATION TECHNOLOGY PATTERN OF STUDY (BFIT)

These occupations are related to the world of business, finance, and information systems.

PATTERN FOCUS AREAS

Marketing and Sales (MS) – Information Technology (IT) – Business Management (BM) – Finance (F)

Are you interested in...	Can you...	Do you like...
A business environment	Work easily with others	Group work
Office management	Organize efficiently	Managing money
Sales	Work with numbers	Organizing projects
Computers and technology	Use computers	Planning events
Making presentations	Solve problems	Preparing reports
Advertising	Work on a team	Developing programs
Insurance	Work independently	Selling products
Record keeping	Follow-up on details	Working with people

If you answered “Yes” to most of the questions, you might consider a future in this field.

SAMPLE CAREERS IN THE BUSINESS, FINANCE AND INFORMATION TECHNOLOGY FIELDS

Marketing Manager	Tax Examiner	Systems Analyst
Certified Public Accountant	Financial Planner	E-Commerce Analyst
Operations Analyst	Hospital Administrator	Auditor
Human Resource Manager	Manufacturing Sales	Product Developer
Network Administrator	Bank President	Underwriter
Computer Specialist	Pharmaceutical Sales	Real Estate Agent
Advertising Account Manager	Retail Buyer/Manager	Desktop Publisher

These courses will help you prepare for a career in the Business, Finance and Information Technology Fields:

Exploratory Business	Ethics	World Languages
Marketing Education	Accounting	Calculus
Comp. Tech. App.	English	Economics
Algebra	Geometry	Contemp. Living
Probability and Statistics	Advanced Algebra and Trig.	
Social and Behavioral Sciences	Entrepreneurship	
Financial Literacy	Comp. Program.	
Creative Writing	Graphic Design	

ARTS AND COMMUNICATION PATTERN OF STUDY (AC)

These occupations are related to the design, interpretation, application and production of visual, verbal or written work.

PATTERN FOCUS AREAS

Performing Arts (PA) – Visual Arts (VA) – Publishing Arts (PA)

Are you interested in...	Can you...	Do you like...
News reporting and writing	Sing	Making Videos
Interviewing and reviewing	Play an instrument	Working with film
Multi-media productions	Design things, be creative	Drawing
Acting	Act	Performing
Radio, TV, film, digital imaging	Write	Taking photographs
Performing in a band	Articulate clearly	Working with color
Fashion, trends	Meet deadlines	Hands on work

If you answered “Yes” to most of the questions, you might consider a future in this field.

SAMPLE CAREERS IN THE ARTS AND COMMUNICATION FIELDS

Art or Music Teacher	Art or Music Therapist	Actor
Film Editor	Art or Music Critic	Music Director
Set Designer	Photographer	Art Historian
Animator	Fashion Designer	Artist
Graphic Designer	Game Designer	Interior Designer
Copy Writer	Journalist	Public Relations
Web Designer	Advertising	Media Personality
Make-up Artist	Jeweler	Broadcast Technician
Choreographer	Florist	Musician

These courses will help you prepare for a career in the Science and Health Fields:

Ceramics, Sculpture, Textiles	Marketing Education	Art
Computer Technical Applications	Computer Programming	English
Creative Writing	Film and Visual Literacy	Acting
Fashion Design	World Languages	Interior Design
TV Production	Graphic Design	Digital Photography
Woodworking Design and Construction	CADD	Concert Band
Concert Choir	Concert Choir	Music Theory
Social and Behavioral Sciences	Ethics and Morality	

ENGINEERING AND INDUSTRIAL TECHNOLOGY PATTERN OF STUDY (EIT)

These occupations are related to technologies necessary to design, develop, install and maintain physical systems.

PATTERN FOCUS AREAS

Construction (C) – Engineering and Engineering Technology (ET) – Manufacturing (M) –
Transportation, Distribution and Logistics (TDL)

Are you interested in...	Can you...	Do you like...
Building and Construction	Apply science and math	Travel
Tools and equipment	Solve complex problems	Hands-on work
Math and science	Organize projects	Lab work
Engineering	Use a computer	Team work
Computer technology	Organize people	Tools and equipment
Design and architecture	Organize data	Designing projects
How things work	Follow-up	Attention to detail

If you answered “Yes” to most of the questions, you might consider a future in this field.

SAMPLE CAREERS IN THE ENGINEERING AND INDUSTRIAL TECHNOLOGY FIELDS

Chemical Engineer	Civil Engineer	Electrical Engineer
Aerospace Engineer	Architectural Engineer	Airline Pilot
Architect	NASA Scientist	Drafter
Mechanical Engineer	Computer Scientist	Carpenter
Machinist	Air Traffic Controller	Astronaut
Construction Manager	Robotics Technician	Electrician
Plumber	HVAC Specialist	

**These courses will help you prepare for a career in the Engineering
and Industrial Fields Fields:**

Computer Technical Applications	Computer Programming	Woodworking Design and Construction
Architectural Drafting Design	CADD	Algebra
Computer Integrated Manufacturing	Electrical Design	Geometry
Introduction to Engineering	Calculus	Physics
Advanced Algebra and Trigonometry	Biology	Chemistry
Probability and Statistics	Environmental Science	Graphic Design

HUMAN SERVICES PATTERN OF STUDY (HS)

These occupations are related to family and human needs in various settings.

PATTERN FOCUS AREAS

Counseling and Personal Care (CPC) – Hospitality and Tourism (HT) – Education (E) – Law and Public Safety and Government (LPG)

Are you interested in...	Can you...	Do you like...
Working with people	Apply science and math	Communicating
Owning a business	Organize well	Helping others
Aging adults	Be creative	Protecting others
Child development	Communicate well	Advising others
Family and social services	Use interpersonal skills	Selling products
Teaching	Be dependable	Handling complaints
Counseling	Be conscientious	Meeting needs
Food preparation	Plan effectively	Making presentations

If you answered “Yes” to most of the questions, you might consider a future in this field.

SAMPLE CAREERS IN THE HUMAN SERVICES FIELD

Therapist	Teacher/Professor	City Planner
Executive Chef	Sociologist	Lawyer
FBI Agent	Social Worker	Park Ranger
Athletic Agent	Judge	Counselor
Psychologist	Cosmetologist	Police Officer
Crime Lab Technician	Travel Agent	Librarian
Food Services Manager	Clergy	Court Reporter
Armed Services	Fire Fighter	Flight Attendant

These courses will help you prepare for a career in the Human Services Field:

Exploratory Business	Accounting	Marketing
Computer Technical Applications	English	World Languages
Creative Writing	Contemporary Living	Child Development
Introduction to Culinary Arts	History	Economics
Social and Behavioral Sciences	Forensic Science	Algebra
Ethics and Morality	Chemistry	Criminology
Geometry	Creative Culinary Arts	MD Program
Culinary Arts Around the World	Financial Literacy	Entrepreneurship
Small Business Management		

COLLEGE PLANNING INFORMATION

TIMELINE FOR THE COLLEGE BOUND STUDENT

Please use this time line to help guide yourself through the college preparation/selection process. Be sure to refer to the more detailed college selection materials that are available in the Guidance Office.

Ninth Grade

- Pursue as rigorous an academic program as you can handle.
- Your GPA (grade point average) and class rank begin with your ninth grade classes. Resolve to get the best grades possible.
- Develop a list of all the activities, clubs, and community services in which you take part..
- Start your free account at www.collegeboard.com. Your guidance counselor can assist you with this.
- Begin exploring your career interests.
- Discuss your career/college intentions and interests with your parents and counselor.
- Decide what type of college interests you.
- Map out a plan for four years of coursework in high school. Remember to include a minimum of 16 academic units necessary for college placement.
- Begin to visit some college campuses for exploration and to get a “feel” for the college life.
- Your counselor has career and college information of value to you. These include catalogs, videos, and computer software.

Tenth Grade

- Pursue as rigorous an academic program as you can handle.
- Resolve to get the best grades possible.
- Develop a schedule of when you plan on taking the college admission tests -ACT, PSAT, SAT-I, SAT-II and AP examinations. We strongly recommend the PSAT as a useful test-taking tool.
- Students interested in enrolling in service academics or ROTC programs should see their counselor about details now.
- Continue to discuss your career and college interests with your parents and counselor.
- Begin to send for information from colleges and other post-secondary programs of interest to you.
- Visit more college campuses.
- Talk with others - family, friends, counselors, teachers - who have gone to college in order to gather ideas about the college experience.
- Ocean County College hosts a College Fair in the fall. Attend this and/or other college fairs to gather information about a variety of colleges and to meet college admission representatives.

COLLEGE PLANNING INFORMATION

Eleventh Grade: Fall/Winter

- Pursue as rigorous an academic program as you can handle.
- Resolve to get the best grades possible. Colleges focus on the Junior year.
- Prepare for, register, and take the PSAT in October.
- Begin looking through college guides for information about colleges.
- Attend college conferences with college admission representatives. Remember that you are accountable for the class time missed.
- Attend the Fall College Fair hosted by Ocean County College.
- Continue to talk with family, friends, counselors and teachers about their college experiences and which college might be right for you.
- Be aware of all college admission testing deadlines. Register for the SAT, the ACT (American College Test), and any other college admissions tests required for your selected schools.
- Educate yourself about terms such as early admission, rolling admission, early decision, etc. If you opt for an early notification, your college admissions testing should be completed by June of your junior year.
- Students interested in enrolling in service academies or ROTC programs should see their counselor about details now.

Eleventh Grade: Spring

- Your Guidance Counselor will be arranging a junior conference with you and your parents/guardians. Prepare for this meeting by having discussions with your parents/guardians and your guidance counselor beforehand about your college placement opportunities/interests.
- Prepare for and take the SAT, the ACT, and any other required tests.
- Attempt to obtain summer employment that relates to your intended major -- experience counts.
- Narrow the list of colleges you are interested in attending to five, but certainly not more than ten.
- If you have completed an advanced level course, plan to take the SAT-II test in that subject area.
- If you are considering Early Admissions, be sure to:
 1. Check the criteria needed for admissions;
 2. Discuss your decisions with your counselor and parents/guardians;
 3. Send for applications and necessary materials as soon as possible.
- Begin requesting letters of recommendation from teachers.
- Check the college catalogs and online sites for deadlines and to find out if any SAT-II tests are required. Many colleges require these tests. Develop a schedule to meet your school's deadline requirements.
- Colleges prefer online applications. Online transcripts will be phased in as well, so that the college application process will be becoming progressively more streamlined.

Eleventh Grade: Summer

- If an essay is required for your chosen school, use the summer to outline, edit and write it.
- Attempt to take advantage of special summer school programs for high school students (ie. Governor's School, college classes).
- Visit the colleges you are considering. Many colleges offer informational tours during the summer. Seeing a college is one of the most important factors in deciding which college to attend.
- Continue to refine your list of colleges.
- Begin to explore scholarship opportunities.

COLLEGE PLANNING INFORMATION

Twelfth Grade: Fall

- The strength of the senior year schedule as well as the grades you achieve are your last opportunity to show schools that you are ready for college.
- Attend college meetings with college admissions representatives by signing up in the Guidance Office.
- Attempt to visit some college campuses while they are in session.
- Prepare for, register and take the SAT-I in November and the ACT or SAT-II as needed.
- Develop your final list of schools.
- Gather letters of recommendation and complete the essays required with your applications. Stay in regular contact with your counselor to ensure that your college portfolio is complete.
- Applications should be submitted to the Guidance Office as soon as possible. Since application deadlines vary from college to college, check with your colleges to be certain. As a guideline, the following applies:
 - Early Decision and Early Admission candidates must submit before November 1st.
 - Service academy applicants and R.O.T.C. applicants must submit before December 1st.
- Students should apply online first, followed by transcript, letters of recommendation, required essay(s), etc.

Twelfth Grade: Spring

- Fill out the Lacey Township High School Scholarship Application, which is given to all seniors early in January (Over \$100,000 is available). One single application makes you eligible for all scholarships in this category. Information is available on LTHS website as well as in the Guidance Office.
- Complete the Free Application for Federal Student Aid (FAFSA) as soon as possible. The adage, “First come, first served,” is true for the financial aid process.
- Seek out other sources of financial aid such as Scouts, community businesses and parents’ places of employment.
- By mid-April, most colleges will have sent acceptance or rejection letters.
- Take Advanced Placements tests, if applicable.
- As soon as you have decided which college’s offer of admission to accept, let that college know. Advise the other colleges that have accepted you of your decision.
- If you are wait-listed at a college you wish to attend, call or write the Director of Admissions and ask how to strengthen your application. See your counselor for guidance.
- If you are denied admission, see your counselor at once about alternatives.
- Be sure to send your acceptance deposit by the deadline specified.
- Lastly, enjoy your graduation and good luck in all of your future endeavors. The Lacey Township High School Guidance Office is always open to you!

LONG-RANGE SCHEDULE PLANNING GUIDE

Subject	Number of Years To Take	Types of Classes
ENGLISH	Four years	English 9, 10, 11, 12
MATHEMATICS	Three years or more	Algebra I Geometry Algebra II Pre-Calculus Trigonometry Calculus Probability & Statistics
SCIENCE	Three years or more	Earth Science Biology Chemistry Physics Anatomy & Physiology Forensic Science Marine Biology Environmental Science
SOCIAL STUDIES	Three years or more	World History U.S. History Ethics & Morality Social & Behavioral Sciences American Government Criminology Economics
FINANCIAL, ECONOMIC, BUSINESS & ENTREPRENEURSHIP	Minimum 1 semester	Financial Literacy Economics Entrepreneurship Exploratory Business Accounting 1
HEALTH, SAFETY AND PHYSICAL EDUCATION	Four years, three marking periods per year	Physical Education 9-12 Health 9-12
VISUAL AND PERFORMING ARTS	Minimum 1 year	See State and District graduation requirements
WORLD LANGUAGES	Minimum 1 year	Spanish French German
ADVANCED PLACEMENT (AP)	As needed to provide rigorous schedule	College-level coursework. Noted as (AP) within specific departments.
CAREER-TECHNICAL EDUCATION	Minimum 1 year	See State and District graduation requirements
VOCATIONAL CAREER PROGRAMS	Optional	Career-oriented courses for juniors and seniors who plan to attend a community, technical or junior college.

COURSE DESCRIPTIONS

ART DEPARTMENT

ART DEPARTMENT

The Art Department offers students the opportunity to explore the Arts. Interested students may then pursue sequential courses in the Fine Arts program. The major emphasis in the Art program is to develop concepts and skills through the beginning levels that will allow students to eventually concentrate in a specific area through an individualized instructional program.

0022 FINE ART 1 **Grades 9-12**
5 Credits

This exploratory course in fine arts emphasizes experimentation in a variety of media while dealing with basic art concepts. Areas of study will include those from the fine arts such as painting and drawing. This course serves as a foundation for technical skills needed to draw or paint.

0023 FINE ART 2 **Grades 10-12**
Full year
5 Credits

Pre-requisite(s): Fine Art 1

In Fine Art II, emphasis is placed on investigation and exploration of ideas and materials primarily in the areas of drawing, painting, and sculpture. Students are exposed to more sophisticated problems which should reinforce previous experience as well as expose new areas of thought.

0024 FINE ART 3 **Grades 11-12**
Full year
5 Credits

Pre-requisite(s): Fine Art 2

This course offers the beginning of specialized training for students displaying interest and ability in the fine arts. The student is encouraged to explore in-depth areas of special interest as a means of individual expression.

0025 FINE ART 4 **Grade 12**
Full year
5 Credits

Pre-requisite(s): Fine Art 3

This course is designed as a studio type to allow more freedom for individual investigation into the myriad of media available for visual expression. Independent research and planning are encouraged. Guidance is offered in preparation for students' exhibits, college interviews, portfolios, etc.

0026 CERAMICS, SCULPTURE AND TEXTILES **Grades 10-12**
Full year
5 Credits

Ceramics, Sculpture and Textiles is essentially a 3D course in pottery, with both hand building, wheel experience and multimedia sculpture. In this course, the student is exposed to a wide range of experiences with emphasis placed on correct methods of handling various materials.

BUSINESS / COMPUTER EDUCATION DEPARTMENT

BUSINESS/COMPUTER EDUCATION

The Business Education Department offers a variety of programs that provide students with the opportunity to receive the greatest depth of knowledge in each area of business possible at the high school level. With a vocational orientation in all course offerings, students should develop job entry level skills. At the same time, course offerings prepare college-bound students to pursue future business courses at the post secondary level. The program of studies will contribute to the overall growth and development of each student in the areas of goal definition, work ethics and social interactions. In addition, a work-study program in cooperative office experience is available.

+0101 EXPLORATORY BUSINESS

**Grades 9-12
Full year
(Course) 5 Credits**

This course is intended to prepare students for life after high school by providing them with the knowledge and fundamentals that they will need to succeed in the “real world” whether they are college or vocational bound. The following topics are addressed: (1) Career Planning – increase student awareness of career opportunities, educational options, financial funding, and preparation for securing future employment. (2) Workplace Readiness Skills – Interviewing Preparation, Resume and Cover Letter writing, and Employment Success Traits. (3) Consumer Awareness – comparison shopping, automobile and insurance knowledge, consumer agencies, and smart shopper tips. (4) Banking and Credit – improving the understanding and use of money and credit, maintaining a checking account through credit and banking scenarios, understanding the dangers of identity theft and credit card misuse. (5) Budget Planning – utilizing all aspects learned to explore and practice simulated “living on your own” scenarios. Whether you are entering high school or getting ready to graduate, this is a course that will help you to be a winner in the “Game of Life!”

+0131 ACCOUNTING 1

**Grades 11-12
Full year
5 Credits**

This course develops an understanding of double-entry accounting. Especially helpful for the college bound, students will complete all phases of the accounting cycle for a proprietorship and a partnership organization. The accounting procedures presented will also serve as a sound background for employment in office jobs and preparation for studying business courses in college. This course will incorporate computerized accounting using a hands-on-approach to embody modern technology into the classroom.

+0153 INTRODUCTION TO BUSINESS/ENTREPRENEURSHIP

**Grades 9-12
Semester
2.5 Credits**

This course is designed to prepare students for the workplace and business world. It will give students insight into the various business courses available. Students will touch upon small business management, banking and financing, accounting, marketing, personal and consumer law, and computer applications. Students will be provided with a flexible background that will enable them to make required choices necessary for a career in the marketplace.

+0156 FINANCIAL LITERACY

**Grades 9-12
Semester
2.5 Credits**

This course is designed to prepare students for managing their money, learning to understand taxes, cash purchases, loans, health insurance, investments, personnel, sales, marketing, services, and financial management. This course is required by the State for graduation.

+ Effective with the graduating Class of 2014, students will be required to meet 2.5 credits of Financial, Economic, Business and Entrepreneurial Literacy.

BUSINESS / COMPUTER EDUCATION DEPARTMENT

+0157 ENTREPRENEURSHIP/SMALL BUSINESS MANAGEMENT

Grades 10-12
Full year
5 Credits
(Pending Approval)

This course is designed to assist students in seeing the opportunities around them and developing a business idea of their own. This course follows Introduction to Business/Entrepreneurship and focuses on the actual creation of a business plan. Students will learn the steps and functions required to develop and operate a business. They will conduct research on their industry and create a step-by-step plan to carry out their innovative idea. This course prepares all students for the workplace.

0161 MARKETING EDUCATION 1

Grades 9-12
(Course) 5 Credits
Full Year

This course is designed to prepare the student for entry level in the distributive occupations by increasing the student's knowledge in the field of marketing. The following course content is explored: Basic marketing concepts, trends, direct selling advertising, promotion, customer service, as well as industrial and wholesale selling.

Included in this program is the introduction, operation, and management of the school store under the supervision of the teacher who acts as manager. Active participation in the Distributive Education Clubs of America (DECA) is strongly recommended. NOTE: Students may opt to take Marketing I with Co-Op. In the Work Study Program, students are placed in job positions by the Cooperative Marketing Education Coordinator who teaches the related class, and with the employer, supervises them on the job. Students must work no less than 15 hours per week and are paid at least minimum wage. Grade 12 only may request an early release. Grade 11 will not be granted an early release for Co-Op.

Seniors in the Work Study Program must have all documentation from their employer in no later than the September course scheduling deadline, or they will be reassigned by their counselor to a full school day of classes.

0162 MARKETING EDUCATION 2

Grades 10-12

0170 MARKETING EDUCATION 2/Co-Op (Grade 12 only)

Full year
(Course) 5 Credits
(Work Study) 10 Credits

Pre-requisite(s): Marketing Education 1

This course is designed for those students that wish to further themselves in the world of marketing through the details of distribution and an actual job experience in the field.

The student will deal with rules and regulations of DE, human relations, creative selling, safety, getting along with supervisors, pricing strategies, profit, site selection, marketing research, public relations, business ethics, and career opportunities. They will continue to build a strong background in the field by their active participation in DECA.

Note: Students may opt to take Marketing 2 without Co-Op.

In the work study program, students are placed in jobs by the Cooperative Marketing Education Coordinator who teaches the related class, and with the employer, supervises them on the job. Students must work no less than 15 hours per week and are paid at least the minimum wage. Grade 12 only may request an early release. Grade 11 will not be granted an early release for Co-Op.

+ Effective with the graduating Class of 2014, students will be required to meet 2.5 credits of Financial, Economic, Business and Entrepreneurial Literacy.

ENGLISH DEPARTMENT

ENGLISH

The English program at Lacey Township High School is a sequential program which develops students' comprehension, written and spoken expression and language mastery. Pupils are placed into the program based upon their level of English proficiency, and their performance is evaluated each year in order to ensure challenge and mastery of course requirements. The ultimate aim of the program is to help students become critical thinkers, discerning readers, and articulate communicators, all of which form the foundation for life-long learning.

Students are evaluated in a variety of ways that include test performance, writing assignments and oral participation. Their studies prepare them for the 11th grade High School Proficiency Assessment, the successful completion of which is required to qualify for a state-endorsed diploma.

In all levels of English and in every grade, students are required to learn basic research skills, culminating in formal, required research projects in the junior and senior years.

Success in all levels of English and in every grade is based on a willingness to complete assignments and a willingness to make-up assignments when work is missed. Each English course is a pre-requisite for the next grade.

SAT preparation is offered with a SAT Review course through the Community Education program as well as an SAT Preparatory course through the Math and English departments, incorporating mathematical, verbal and writing skills.

HONORS COURSES

The English Department offers honors level courses in English 1, 2, 3 and 4 and an AP level course in English 4 when enrollment is sufficient, master scheduling permits, and teachers are available. A student is recommended for the program by the department. Major criteria for placement include teacher recommendation; a score of Advanced Proficient on the Language Arts NJASK 7 and/or 8; other student performance data, including a review of student's written work; and a clear track record indicating an ability to work independently and a desire to go "above and beyond" in the study of language and literature.

The department seeks highly able students whose demonstrated mastery and use of oral/written communication and critical reading skills warrant placement in the program. Each course provides vocabulary development, language analysis, accelerated study in composition, intensive reading and interpretation of literature, and opportunity to develop creative projects related to the humanities.

Student performance is measured, in part, through performance on written and oral tests, writing assignments, and class participation. Placement recommendations are reviewed annually according to the multiple criteria identified above.

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0209	HSPA/AHSA MATH AND/OR LANGUAGE INTERVENTION (Grade 12)	Grade 12
0508		Full year
0509		5 Credits

This course is required for all Grade 12 students who did not pass the High School Proficiency Assessment (HSPA) in Grade 11. It provides specific interventions to address skills deficiencies identified by the HSPA to prepare students to re-take the test. It also prepares students for the Alternative High School Assessment (AHSA), which offers students an alternative way to meet the state requirements for a high school diploma. The ASHA will be administered in this course, and Educational Proficiency Plans will be monitored and updated. This course is a state-mandated requirement for students who do not pass the HPSA in Grade 11.

0211 (H)	ENGLISH 9	Grade 9
0212 (CP)		Full year
0213		5 Credits

Emphasis is given to the study of language, composition, and literature. The conventions of grammar, usage, and mechanics are developed by various techniques, including teacher directed activities and focus correction through actual student writing. Pupils examine the short story, a Shakespearean play, non-fiction selections, poetry, and novels. (See Research Paper/Project). In addition, skills necessary for success on the HSPA will be addressed.

ENGLISH DEPARTMENT

0221 (H)	ENGLISH 10	Grade 10
0222 (CP)	Pre-requisite(s): English 211	Full year
0223	Pre-requisite(s): English 212	5 Credits

Students continue their study of language, composition, and literature through an emphasis on American writers. Students refine their understanding of novels and begin serious analysis of poetry and drama. (See Research Paper/Project). In addition, skills necessary for success on the HSPA will be addressed.

0231 (H)	ENGLISH 11	Grade 11
0232 (CP)	Pre-requisite(s): English 211/221	Full year
0233	Pre-requisite(s): English 212/222	5 Credits

This course further refines students' knowledge of language, composition, and literature/reading with emphasis on British writers. Students learn how to write essays about literature and research skills are extended in order that students write a formal research paper or inquiry report. In addition, skills necessary for success on the HSPA will be addressed.

0241 (H)	ENGLISH 12	Grade 12
0242 (CP)	Pre-requisite(s): English 211/221/231	Full year
0243	Pre-requisite(s): English 212/222/232	5 Credits

This course prepares the student for college, technical or business school, the military, or the world of work. Students complete their study of vocabulary and refine their skills to complete a senior paper or papers which completes the writing program. Comprehension, analytical and evaluative skills are expanded. The study of literature includes World literature and selections from contemporary authors as well as from the masters of the past. In addition to written reports, students will be integrating computer presentation skills with their research.

0240 (AP)	ADVANCED PLACEMENT ENGLISH 12	Grade 12
Pre-requisite(s):	English 11 Honors or Department Approval	Full year
		5 Credits

This is a college level course in literature and composition. It follows the scope and sequence of topics outlined by the College Entrance Examination Board (CEEB) for the Advanced Placement English course. Multiple criteria as identified for all Honors courses are considered for placement. The advanced nature of this course presupposes a high aptitude in and enthusiasm for the analysis of literature and the writing of analytical material. Students are required to complete a formal research project based on a literary topic and are required to read at least one Shakespearean play.

Before seeking AP placement, students should carefully consider and remember the following:

- AP English is not just another level of English. It is a college level course that is designed to prepare students to take the AP exam, the results of which are reported to the college to which the students apply.
- Unlike Honors English, the course content in AP English is based on strict CEEB standards, and students need advanced reading, writing, and analytical skills beyond the honors level to be successful.
- More independent work is assigned in AP English than in Honors English, and a greater commitment of time is required in the AP level course.
- All students enrolled in this course will be required to take the AP English exam.

0244	English 9 B	Fall (5 Credits) Grade 10
0245	English 10 B	Spring (5 Credits) Grade 10
0246	English 11 B	Fall (5 Credits) Grade 12
0247	English 12 B	Spring (5 Credits) Grade 12

These combined courses are designed for students who failed either grade 9 or grade 11 English. They meet for two periods, back to back, each day. The grade 9 and grade 11 course work is completed in the first semester. The grade 10 and grade 12 course work is completed in the second semester. The classes are designed to allow students to make up failed classes without doing the course work for two English classes simultaneously. Because each full-year course is completed in one semester, however, the work load is heavier than it would be in a normal English class. Students who fail English in grade 9 and/or grade 11 will be required to take one of these classes or go to summer school to make up the credit. Seniors will not be permitted to take more than two English classes at Lacey Township High School during the academic year.

ENGLISH DEPARTMENT

0251 SAT PREPARATORY COURSE
0252

Grades 10-12
Semester
2.5 Credits

This course is devoted to preparation for the verbal, mathematics and writing portions of the PSAT and the SAT. Students will spend half of a semester working with each area, including SAT type practices on a daily basis. Classes will be directed to specific SAT skill areas with individualized and group instruction.

0253 CREATIVE WRITING 1

Grades 10-12
Full year
5 Credits

The student who has a strong interest in developing a talent for writing is encouraged to elect this course. The basic tools of the creative writer are examined, and each student samples various modes of writing such as the short-story, one-act play, magazine writing and poetry. The chief aim is to help pupils develop a style and a writing specialty. Class members will be asked to submit their best works for publication to a variety of outlets including the school literary magazine. The course will also emphasize the development of a style and writing specialty. Students work cooperatively to analyze and critique the submissions of colleagues. Students will continue to submit their best works for publication both for in-house publications and for literary magazines.

0254 CREATIVE WRITING 2

Grades 11-12
Full year
5 Credits

Pre-requisite(s): Creative Writing 1

This course will allow the student to further his or her craft by extending the forms and challenges of the writing assignments. Focus will be on the individual creative process, while still limited by parameters of the assignment. As the year progresses the focus will be on a long term writing project with the goal of publishing as the final project. The student will work with the guidance of the teacher in the genre of his or her choice.

0259 POWER LANGUAGE SKILLS

Grade 9
Full year
5 Credits

In this course, students will develop the critical reading and writing skills that are essential to success in school and in the workplace. Precision of language and thought is the goal, both in reading and in writing. Grammar and sentence structure, clear and concise composition, and critical reading skills will be the focus of instruction. Learn the language skills that will raise your grades and make reading and writing easier. Learn the habits of mind and the behaviors of effective readers and writers. Build confidence that you can tackle any reading or writing task and do it well. This class will be run as a workshop, and assessment will be performance/portfolio based.

0262 FILM AND VISUAL LITERACY

Grades 11-12
Full year
5 Credits

Pre-requisite(s): Successful completion of Grade 9 and Grade 10 English

In this course, students will explore a history of film from the silent era to the present. They will analyze films to gain an appreciation for the art form and understand what makes a "quality film." They will examine the numerous directorial and cinematographic techniques that make films come to life. They will also be required to write extensively in response to the films.

ENGLISH DEPARTMENT

RESEARCH

- Grade 9: Library orientation and introduction to research techniques
Short research assignments that are integrated in writing tasks
WebQuests
Instruction in MLA format
- Grade 10: Short research assignments and WebQuests with integrated writing assignments
Development of Information Literacy
- Grade 11: Expanded essay on literature using appropriate literary criticism
- Grade 12: Position paper that extends across the curriculum (Graduation Requirement)
Development of Information Literacy
Short research assignments and WebQuests with integrated writing assignments

FAMILY AND CONSUMER SCIENCES DEPARTMENT

FAMILY AND CONSUMER SCIENCES

The discipline of Family and Consumer Sciences focuses on enabling individuals and families to meet the challenges of living and working in today's society. Subject areas of Culinary Arts, Child Development, Fashion Design, Interior Design and Contemporary Living teach critical thinking and basic skills while allowing for individual differences and creativity. Classes stress contemporary skills and technical/practical application of them.

0401 INTRODUCTION TO CULINARY ARTS **Grades 10-12**
Full year
5 Credits

Students will study techniques and procedures used in food preparation. Practical experiences will be provided by preparing various types of foods and in serving them correctly and attractively. Students will study the basics of nutrition and how food choices impact a healthy lifestyle. Food safety and sanitation are stressed. The safe use and care of equipment and appliances will be included. This course will investigate career choices related to the food service industry.

0402 CREATIVE CULINARY ARTS (offered even years) **Grades 11-12**
Full year
5 Credits

Pre-requisite(s): Introduction to the Culinary Arts 1

Creative Culinary Arts is a course designed for the student who chooses more advanced training in the techniques and preparation of food. Students will dissect the components of a meal and prepare foods that are creative, imaginative and nutritious. Areas of study will also include the incorporation of technology and how it relates to new innovations in food preparation, new food products and the ability to alter food principles and techniques. Students will apply computer technology in determining nutritional analysis of the food products prepared in class. Students will demonstrate the use of kitchen gadgets and appliances. Holiday cooking will be incorporated. Safety and sanitation are reviewed. Career choices are investigated.

0403 CULINARY ARTS AROUND THE WORLD (offered odd years) **Grades 11-12**
Full year
5 Credits

Pre-requisite(s): Introduction to Culinary Arts 1

Culinary Arts Around the World is an advanced level foods course that studies the food customs and cuisines of the different cultures of the world. Students will investigate the historical and regional impact of the foods of each cuisine. Students will discover the correlation between international cuisines and the development of regional American cooking. Students will learn skills related to food artistry such as garnishing, sugar molding and cake decorating. Safety and sanitation are reviewed. Related career opportunities will be investigated.

FAMILY AND CONSUMER SCIENCES DEPARTMENT

0431 CHILD DEVELOPMENT 1: The Infant and the Toddler **Grades 10-12**
Full year
5 Credits

This course is designed to help the student understand children and interact with them in a meaningful way. It is recommended for anyone who spends time with children, whether as a baby sitter, relative, parent, friend or potential teacher/child care worker. This course deals with the study of the physical, intellectual, social, emotional and moral development of the child from the pre-natal state through the toddler years. Students will have the opportunity to work with children in a nursery school setting

0432 CHILD DEVELOPMENT 2 / LAB: The Preschooler **Grades 11-12**
Full year
5 Credits

Pre-requisite(s): Child Development 1

This course will focus on the in-depth study of the intellectual, physical, social and emotional growth of the preschool child. Emphasis will be placed on child development related careers with the major portion of the course being devoted to a learning experience for pre-school children. The students will establish and operate a pre-school learning laboratory for community children. This course is strongly recommended for anyone who spends time with children and/or may be considering a career working with children in any capacity.

0433 CHILD DEVELOPMENT 3/LAB: The Elementary School Age **Grade 12**
***INTRODUCTION TO TEACHING** **Full year**
5 Credits

Pre-requisite(s): Child Development 1 & 2 or Departmental Approval

Child Development provides an opportunity for the student to continue his/her study of the developing child. It is a laboratory class which provides the student with hands-on experience in an elementary school setting as well as information on developmental theory. It will become the capstone of the child care and developmental program that follows a child from conception through age eight.

Students participating in this class will be assigned to an early elementary class in one of the schools for three days a week for lab work. The remaining two days will be spent in the high school classroom. Students will be required to provide their own transportation. If you are considering a career in elementary education, this is the course for you.

*OPTION: This class may be available for college credit through Ocean County College. Students opting to earn college credit will pay current tuition and receive a transcript from Ocean County College.

0411 FASHION DESIGN 1 **Grades 9-12**
Full year
5 Credits

Fashion Design 1 is an introduction for the students into the world of textiles and construction techniques. Each student will be expected to work on a variety of garments with a variety of fabrics and construction techniques. Textile concepts will be studied to make the student more aware of choices and uses of garments within a wardrobe. Fashion, line and design of a garment will be emphasized to insure proper selection of a pattern to individual body requirements. Each garment will act as a building block in an effort to take the student through the most commonly utilized fabrics, garments and styles of the times. Students are expected to purchase necessary materials to complete assigned projects.

0413 FASHION DESIGN 2 **Grades 10-12**
Full year
5 Credits

Pre-requisite(s): Fashion Design I

This course is designed for the more advanced clothing student. Much of the course context is devoted toward work on individual projects. Students will be expected to produce a series of garments incorporating such techniques as: use of tailors interfacing, bound buttonholes and lining garments. Some class time will be spent working on individual project designs for refining hand sewing and machine skills. Students entering at a more advance level will review basic principles of clothing construction. Students will be responsible for constructing a garment with various tailoring techniques. Other projects will include constructing a garment for another person, constructing an upper and lower lined body garment. Students will construct garments utilizing industrial equipment and techniques. Careers and job placement will be explored. Students are expected to purchase necessary materials to complete assigned projects.

FAMILY AND CONSUMER SCIENCES DEPARTMENT

0414 FASHION DESIGN 3

Grades 11-12
Full year
5 Credits

Pre-requisite(s): Fashion Design 2

This course is open to intermediate sewers. It has been designed to add to the skills of the basic sewer in order to achieve even more proficiency. Projects will include assembly line projects, sewing for the home and custom individual garments. Clothing articles will be selected upon their detail, construction techniques and the integration of new materials to this sewer. Careers will be emphasized involving the textile industry, related markets and job prospects for the aware sewer of the 21st Century. Students are expected to purchase necessary materials to complete assigned projects.

0415 FASHION DESIGN 4

Grade 12
Full year
5 Credits

Pre-requisite(s): Fashion Design 3

This class is for the advanced sewer. All projects are to be selected by the student and approved by the instructor. Two extensive projects are due per marking period. All skills and techniques will be utilized from previous clothing and textile levels. The student will work independently and on occasion act in an instructional manner with peers in the lower sewing levels. Students are expected to purchase necessary materials to complete assigned projects.

0412 INTERIOR DESIGN

Grades 10-12
Full year
5 Credits

This course is designed to increase students' awareness and appreciation of their home and its surroundings. It will stress the principles of home decorating and their correct use. Course work includes a study of the history of housing, architectural styles and home furnishings. Various "hands on" decorating projects will be incorporated. Students are responsible for costs related to projects selected. Careers in housing and interior design will be explored.

0416 FASHION DESIGN 5

Grade 12
Full year
5 Credits

Pre-requisite(s): Fashion Design 4

This class incorporates all the skills and techniques achieved from Fashion Design I-IV. The student will be asked to assist lower level peers when necessary. In addition, two challenging clothing/home interior/accessory projects are due per marking period. Students are expected to purchase necessary materials to complete assigned projects.

0421 CONTEMPORARY LIVING

Grades 10-12
Full year
5 Credits

Life is a challenging encounter. Being prepared to select the correct actions and decisions will enable the consumer to live successfully and comfortably. This course is designed to expand the students' understanding of themselves, others and the adult world. Areas of study will include discovery of self, life styles, money practices, credit, checking, marriage, the conception and raising of children, divorce, the world of work, physical security, taxes, insurance, and the aging process.

FAMILY AND CONSUMER SCIENCES DEPARTMENT

A002 STUDENT INTERNS-MULTIPLY DISABLED PROGRAMS

Grade 12
Full year
5 Credits

Pre-requisite(s): Student must be a senior with a strong interest in working with special education students. After being recommended by their guidance counselor, the student must be interviewed and accepted into the program by the special needs class teacher.

The intern program for the Multiply Disabled is based upon the philosophy of integrating mainstreamed students with special needs students. The purpose of this program is to have the student interns assist the special needs students to become more acclimated to their surroundings. The course focuses on the following learning skills: home economics, following directions, socially appropriate behaviors, self-awareness, computer skills, art, music, academics, recreation, job awareness, and life skills.

On occasion, student interns will assist on trips to mentor the special needs students as well as to assist the teacher with daily lessons and activities.

INDUSTRIAL TECHNOLOGY EDUCATION DEPARTMENT

INDUSTRIAL TECHNOLOGY EDUCATION

The program provides both a theoretical and a practical approach to the study of industrial technology as the means for producing a better man-made world. Particular attention will be paid to shop safety, use and care of hand tools and power tools and the reading of and working from a working drawing or sketch. The student will be given the opportunity to select a project and develop or expand on the design. These programs offer an opportunity to develop an interest in industrial arts, develop hand tools and machine tool skills, understand and develop the need for orderly procedures, learn safe working habits, and learn to appreciate good design and quality workmanship.

0441 TV PRODUCTION 1

Grades 9-12
Full year
5 Credits

This course is the first in a series of four which introduces all aspects of creating a video/media program. Students will develop the skills needed to correctly and safely operate video cameras, editing equipment, VCR'S, audio boards, as well as lighting systems. The course incorporates a variety of marketable skills by acquiring keyboard techniques, internet research, Microsoft Programs along with other computer applications. To accomplish this task, the students will plan, tape, edit, storyboard, and transmit completed programs to the community via Channel 21. All students are required to complete a minimum of five hours of lab time, in addition to class time, each marking period. This course is a Tech Prep course and could qualify for college credit for students planning to attend college and major in TV Production.

0442 TV PRODUCTION 2

Grades 10-12
Full year
5 Credits

Pre-requisite(s): TV Production 1

Students will begin to learn the role of producer in the second course in the series. As a producer, students will be required to write prospectuses for each project. By expanding the studio experience to include community, elementary/middle schools, municipalities, and business related experiences, students will learn how to plan and organize complex projects. Students will be team members who interface with the public, both during and after school, to produce the best product available. All students are required to complete a minimum of five hours of lab time, in addition to class time, each marking period. This course is a Tech Prep course and could qualify for college credit for students planning to attend college and major in TV Production.

INDUSTRIAL TECHNOLOGY EDUCATION DEPARTMENT

0443 TV PRODUCTION 3

Grades 11-12

Full year
5 Credits

Pre-requisite(s): TV Production2

In the TV Production course, the role of executive producer is studied. Students will now be required to write a script, refine their story telling skills, and produce a program. The importance of pre-production planning will be a major emphasis of this course. All students are required to complete a minimum of five lab hours, in addition to class time, each marking period. This course is a Tech Prep course and could qualify for college credit for students planning to attend college and major in TV Production.

0444 TV PRODUCTION 4

Grade 12

Full year
5 Credits

Pre-requisite(s): TV Production3

The final course of the series studies the role of the Operations Manager. The student will act in a supervisory role during their Senior year. All tasks and duties normally performed by an Executive Producer such as, hiring, budget control, advertising, coordination of resources, and scheduling will be completed by all students. Leadership skills of employers are necessary to be successful in the field of TV production. All students are required to complete a minimum of five lab hours, in addition to class time, each marking period. This course is a Tech Prep course and could qualify for college credit for students planning to attend college and major in TV Production.

0461 GRAPHIC DESIGN 1

Grades 9-12

Full year
5 Credits

In this course the students are introduced to the printing and publishing industry. The areas of study will include learning various software programs such as: Microsoft Publisher, Adobe Illustrator and Photoshop, projects in advertising design, computer designed logos, magazine cover design, business card design, offset printing and digital photography. Career opportunities will be explored.

0462 GRAPHIC DESIGN 2

Grades 10-12

Full year
5 Credits

Pre-requisite(s): Graphic Design 1

In this course the students will continue to improve their skills learned in Graphic Design 1 in addition to new ones. Students will learn multicolor silk screen printing, offset printing, and offset printer operations. A variety of the latest up-to-date graphic arts equipment, such as the digital plate maker, hydraulic paper cutter, collator, design-u printer as well as other equipment will be learned by the students. Students in Graphic Design 2 are also responsible for a wide variety of district printing jobs such as the school newspaper, programs, posters, tickets, and forms, as well as other school related projects. Students will use computers to run software programs such as Adobe Illustrator, Microsoft Publisher and Photoshop. Career opportunities will be explored.

0463 PRODUCTION GRAPHICS

Grades 11-12

Full year
5 Credits

Pre-requisite(s): Graphics Design 2

This course is intended to further develop the skills learned in Graphic Design 2. Students in this course will continue the responsibility of the production of printing real life jobs.

0464 DIGITAL PHOTOGRAPHY 1

Grades 9-12

Full year
5 Credits

This course is designed to introduce students to the world of digital photography and the use of a digital camera. Students will be exposed to a history of photography and available career choices in the field. Areas of study will include such software programs as: Adobe Photoshop and Adobe Illustrator.

INDUSTRIAL TECHNOLOGY EDUCATION DEPARTMENT

0465 DIGITAL PHOTOGRAPHY 2

Grades 10-12
Full year
5 Credits

Pre-requisite(s): Digital Photography 1

This course offers an exploration into intensified photographic techniques and introduces the camera as a design tool. Students will be introduced to basic images design and layout through learning the Principles of Photography and applying these theories to their photographic images.

0466 DIGITAL PHOTOGRAPHY 3

Grades 11-12
Full year
5 Credits

Pre-requisite(s): Digital Photography 2

Digital Photography 3 is designed to allow the student to further explore photography as both a communicative source and a realm of fine art in the form of specialized training. Students will be exposed to technical aspects such as compositional rules and matting their own photographs for exhibit. Students will develop a body of work reflective of their photographic style.

0467 DIGITAL PHOTOGRAPHY 4

Grades 12
Full year
5 Credits

Pre-requisite(s): Digital Photography 3

This course is geared toward students with a serious interest in photography. All projects will reflect the skills and techniques learned throughout previous courses. Students will work on an independent basis on major projects given at the beginning of each quarter with the instructor overseeing theme, visual design, layout and progress. All projects will be assessed through peer critique and instructor.

0471 WOODWORKING DESIGN AND CONSTRUCTION 1

Grades 9-12
Full year
5 Credits

Woodworking Design and Construction 1 covers the use of hand tools, power tools, and machine tools. Projects will be constructed which require the use of all tools and machines. A working knowledge of joint construction, adhesives, and abrasive will be developed as projects are built. The course is coupled with related shop math and textbook requirements. Students will be expected to complete specified projects selected by the instructor. Emphasis will be placed on basic hand tools and machine utilization with the students becoming acquainted with safe operating practices of the drill press, band saw, router, lathe, power hand sanders, jigsaw, and surface plane. Safety will be stressed as a very important part of the class throughout the year in the Woodworking Design and Construction program.

0472 WOODWORKING DESIGN AND CONSTRUCTION 2

Grades 10-12
Full year
5 Credits

Pre-requisite(s): Woodworking Design and Construction 1

This course requires the student to incorporate geometric functions and layout procedures in the development of a specified project. A more in-depth use of power tools combined with the use of jig and fixtures will be incorporated to construct a casework or cabinet project using sophisticated joinery and finishing. Grades will be determined by periodic tests and project quality.

0473 WOODWORKING DESIGN AND CONSTRUCTION 3

Grades 11-12
Full year
5 Credits

Pre-requisite(s): Woodworking Design and Construction 2

The course emphasizes advanced layout and design considerations. Students will be required to select a project of their choice and submit working drawings for instructor approval. Students will be instructed in advanced machine operations and woodworking techniques such as laminating, inlaying, bending and veneering. Students will be allowed supervised use of all machines in shop. Grades will be determined by periodic test and project quality.

INDUSTRIAL TECHNOLOGY EDUCATION DEPARTMENT

0474 WOODWORKING DESIGN AND CONSTRUCTION 4 Grade 12
Full year
5 Credits

Pre-requisite(s): Woodworking Design and Construction 3

This course is designed to offer students in woodworking an advanced and in-depth study of cabinetmaking and carpentry. The students will complete individual and group projects incorporating woodworking skills related to construction of furniture, cabinets, and other projects using hand tools as well as a variety of power tools and equipment. Classroom instruction will include basic carpentry skills related to construction of wooden building frames, exterior and interior trim, flooring, roofing and siding. Information covering career opportunities and employment placement related to cabinetmaking and carpentry will be presented throughout the year.

0481 COMPUTER AIDED DRAFTING AND DESIGN 1 Grades 9-12
Full year
5 Credits

This course is an overview of the drafting technology field. It focuses on the development of basic technological skills such as freehand sketching, orthographic drawings/projections, geometric constructions, sectional views, and 3-D spatial relationships. The CAD section of the course will use Autodesk AutoCAD and Autodesk Inventor, which is widely used in all engineering fields today. Computer Aided Drafting 1 is an elective course, and is especially valuable for students interested in fields of engineering, construction, industrial technology, architecture, and computer modeling.

All of the necessary equipment which might be used by a draftsman in the field is available at no expense to the student in order to provide the best technological and practical experience as possible.

0482 COMPUTER AIDED DRAFTING AND DESIGN 2 Grades 10-12
Full year

Pre-requisite(s): CADD1 1 5 Credits

This course includes a further study of technology and drafting principles. Emphasis is placed on the development of spatial relationships, computer skills, techniques, and efficiency. The content of this course is heavily dependent on students' problem solving skills. Students will be using the skills previously learned in CADD 1 and hone those skills to make cohesive projects. These projects will incorporate aspects of design, marketing, material use, and feasibility. Students will understand through collaborative work how to create advanced models, blueprints, schematics, sectional views, material uses, manufacturing processes, and professional work skills.

All of the necessary equipment which might be used by a draftsman in the field is available at no expense to the student in order to provide the best technological and practical experience as possible.

0483 COMPUTER AIDED DRAFTING AND DESIGN 3 Grades 11-12
Full year

Pre-requisite(s): CADD 2 5 Credits

This course will enhance the students' computer skills. Emphasis will be placed on concept modeling and the creation of realistic computer models while using the AutoCAD and 3DS Max software. The course will develop the use of 3-D walk-throughs, wireframe modeling, shading, mapping, and introduce the student to basic animation.

All of the necessary equipment which might be used by a draftsman in the field is available at no expense to the student in order to provide the best technological and practical experience as possible.

INDUSTRIAL TECHNOLOGY EDUCATION DEPARTMENT

0484 COMPUTER AIDED DRAFTING AND DESIGN 4

Grade 12
Full year
5 Credits

Pre-requisite(s): CADD 3

This course will build upon the students modeling skills learned in CADD 3 and will further enhance their computer skills. Extended emphasis will be placed on the Autodesk AutoCAD and 3DS Max software and the advanced development of 3-D walk-throughs, wireframe modeling, shading, mapping, and enhance their animation skills. Major emphasis will be placed upon the individual to work on the assigned projects in a timely and professional manner.

0485 ARCHITECTURAL DRAFTING & DESIGN 1

Grades 10-12
Full year

Pre-requisite(s): CADD 1 5 Credits

This course provides a practical approach to architectural drafting as it relates to common practices. The emphasis on standardization is an excellent and necessary foundation of drafting training as well as implementing a common approach to drafting nationwide. This course is designed to take a student through the entire design process. Students will gain practical knowledge of the entire architectural field from the design to construction models. Particular attention will be paid to architectural history, good design elements, code requirements, handicap accessibility, GREEN building practices, structures, wastewater and supply water, surveying, cost estimating, and soil testing. This course offers full exposure to the experience one would go through when taking on an architectural project. The drawings will start as a freehand sketch, and will be transformed into a drawing using Audodesk Revit Architecture Program.

0486 ARCHITECTURAL DRAFTING & DESIGN 2

Grades 11-12
Full year
5 Credits

**Pre-requisite(s): CADD 1, Architectural
Drafting & Design 1**

This is an advanced architecture course that is designed for those students who are thinking of entering a field of architecture or civil engineering. The student will play the role of developer/project manager and take a responsible approach to convert design sketches into formal designs using the Revit software.

The concepts used in this course are dependent upon the students prior knowledge and make them utilize these skills when designing a project. The student will be using real property locations, and perform research in the area to see what type of occupancy would best fit the space. Once students have approval on their location and concept, they will go from preliminary design to construction documents. The student will be able to critically think through the design process while taking into account design needs and code requirements. In addition to sketches and presentational drawings, the student will use models of a building and/or projects to help convey their building and design concepts.

0491 ELECTRONICS/ELECTRICAL DESIGN AND TECHNOLOGY 1

Grades 9-12
Full year
5 Credits

Electronics/Electrical Design and Technology 1 is designed for the student with no prior or limited experience in electricity/electronics. The purpose of the course is to provide an opportunity for the study of fundamentals and to provide related experiences in electricity/electronics. Projects and experiments will be constructed and performed in class. Various careers and job responsibilities will be presented to help the student decide if he/she would like to pursue electricity/electronics as a career. Some of the areas covered in the course are the atomic theory of matter, sources of electricity, Ohm's Law, and alternate, current, batteries, basic house wiring, motors, generators, capacitors, coils, transformers, diodes and soldering.

INDUSTRIAL TECHNOLOGY EDUCATION DEPARTMENT

0492 ELECTRONICS/ELECTRICAL DESIGN AND TECHNOLOGY 2 **Grades 10-12**
Pre-requisite(s): Electronics/Electrical Design Technology 1 and **Full year**
Algebra 1 recommended **5 Credits**

Electronics/Electrical Design and Technology 2 is designed for the student in the career fields of communication, instrumentation and industrial and digital electronics. Emphasis will be placed on theory with appropriate related lab experiments. The laboratory experiments are used primarily to introduce concepts such as transistor theory and basic circuits, audio and radio frequency, theory and circuits, oscillators, and digital logic circuits. This course will also include a review and in-depth study of the basic concepts of electricity/electronics.

0493 ELECTRONICS/ELECTRICAL DESIGN AND TECHNOLOGY 3 **Grades 11-12**
Pre-requisite(s): Electronics/Electrical Design Technology 2 **Full year**
5 Credits

The Electronics/Electrical Design and Technology 3 class will provide an in-depth look at the construction and trouble-shooting of electronic equipment and devices. The course will emphasize logical, safety, and entry level theory skills to fix and construct various electronic devices. The student will understand propagation, instrumentation, industrial controls, test equipment, construction equipment, and computer software used in the electronics industry. Students will also be introduced to robotics through the repair and troubleshooting of electronic skills.

0494 ELECTRONICS/ELECTRICAL DESIGN AND TECHNOLOGY 4 **Grade 12**
Pre-requisite(s): Electronics/Electrical Design Technology 3 **Full year**
5 Credits

This course builds upon skills learned in Electronic/Electrical Design and Technology 3. In addition to advanced troubleshooting skills of electrical equipment, students will learn advanced robotic techniques and the use of electronic devices to move other components. All students must produce a robotic invention using Lego's Mindstorms NSX System for entry in county wide robotics competition. Emphasis will be placed on robotic design for functionality over form. Finally, students will use logic programming to instruct controlled movements of such robots using computer software.

0495 PERSONAL COMPUTER TROUBLESHOOTING AND REPAIR 1 **Grades 10-12**
Pre-requisite(s): Electronics/Electrical Design Technology 1 **Full year**
or Departmental Permission **5 Credits**

Using the new Lab Volt Commander program, this course will provide in-depth instruction for the construction, maintenance, troubleshooting and repair of personal computer equipment. The course will emphasize logical, safe, and entry level theory skills needed to successfully repair, construct and maintain personal computer equipment.

Students who successfully complete the course should be capable of passing the industry standard certification test for A+ certification which supports the school-to-work initiative.

0496 PERSONAL COMPUTER TROUBLESHOOTING AND REPAIR 2 **Grades 11-12**
Pre-requisite(s): Personal Computer Troubleshooting and Repair 1 **Full year**
or Departmental Permission **5 Credits**

This course is designed for the advanced student. Using Lab Volt's Commander program, this course will provide thorough in-depth knowledge of the Personal Computer system and components. The student will be able to perform comprehensive troubleshooting tasks, specifically the ability to assemble and test state-of-the-art computers and computer hardware. There will be extensive hands-on experience with software and hardware.

The course will provide an understanding of how local Area Networks and cable connection function. It will emphasize a complete background in the understanding of computer safety, maintenance safety and operation. The student who successfully completes the course should be capable of passing the industry standard A+ Certification program. Additionally, this supports the school-to-work initiative.

INDUSTRIAL TECHNOLOGY EDUCATION DEPARTMENT

0497 DIGITAL ELECTRONICS DESIGN

Grades 10-12

Full year

Pre-requisite(s): Geometry (completed or concurrent)

5 Credits

This course is in applied logic and digital design that encompasses the application of electronic circuits and devices. Computer simulation is used to design and test digital circuitry prior to the actual construction of the circuits and devices. There will be extensive hands-on experience with the software and hardware.

MATHEMATICS DEPARTMENT

MATHEMATICS

Mathematics is an important part of everyday living. Practical application of basic mathematical skills is essential in business, industry and the home. Advanced mathematics courses are required for all science, math and engineering related careers. Our mathematics program is designed to provide every student with the math skills necessary to pursue higher individual goals. If it is determined that a student is not performing well in a part of a math course or the course in general, that student will be directed to the correct math intervention class. The identified student will find extra assistance for the HSPA.

An SAT Review course will be offered through the Community Education program as well as an SAT Preparatory course through the Math and English departments incorporating mathematical, verbal, and writing skills

The goal of the Science, Technology, Engineering and Mathematics Education Coalition (STEM) is to foster coursework in these academic areas in order to produce professional graduates for the workforce.

Lacey Township High School will be implementing a four-year pre-engineering program beginning September 2012. Students will be required to be enrolled in specific aligned math, science, Computer-Aided Drafting Design (CADD) and/or electronic courses. Participants will compete in outside engineering competitions. Curriculum will be aligned with NJ approved Math Common Core State Standards, NJ Science Core Curriculum Content Standards, and private industry principles. Projects developed by a team of high school teachers and Lakehurst Naval Air Base engineers will be integrated. Students must be recommended by their teachers to enroll. More information will be made available upon Board of Education approval of the STEM curriculum..

HONORS COURSES

The Math Department offers honors level courses in Algebra I and II, Geometry, Pre-Calculus and Calculus when enrollment is sufficient, master scheduling permits, and teachers are available. The various honors courses follow the general topic outline of the regular math offerings. However, the depth and breadth of the subject treatment is much greater than that found in regular courses.

Student performance is measured, in part, through performance on written tests and quizzes, homework and class assignments, and class participation.

Placement recommendations are reviewed annually according to the multiple criteria identified in the front of this manual.

0251 SAT PREPARATORY COURSE **0252**

Grades 10-12
Semester
2.5 Credits

This course is devoted to preparation for the verbal, mathematics and writing portions of the PSAT and the SAT. Students will spend half of a semester working with each area, including SAT type practices on a daily basis. Classes will be directed to specific SAT skill areas with individualized and group instruction.

0511 (H) ALGEBRA 1 **0512 (CP)** **0513**

Grades 9-12
Full year
5 Credits

This course is designed to provide students with an appreciation of algebra as a language of quantitative relations and a method of logical thinking. Through an understanding of algebraic structure, the role of deductive reasoning in mathematics is developed. Topics studied include solving open sentences, verbal problems, mathematical relations and variation, graphical representations and methods, rational number exponents, properties of exponents and roots, data analysis and basic probability.

MATHEMATICS DEPARTMENT

0514 ALGEBRA 1 B **Grades 10-12**
Fall
5 Credits

0515 GEOMETRY B **Grades 10-12**
Spring
5 Credits

Pre-requisite(s): Unsuccessful completion of Algebra I

Algebra I and Geometry are combined in this course designed for students who failed Algebra I and did not attend summer school. Students will meet 2 periods, back to back, with the first semester emphasizing Algebra I concepts and the second semester covering Geometry. Students will benefit from not taking two math courses simultaneously. The work load will be more intense than a normal math class since the entire curriculum for each of these courses will be completed in one semester.

0516 GEOMETRY B **Grades 11-12**
Fall
5 Credits

0517 ALGEBRA 2 B **Grades 11-12**
Spring
5 Credits

Pre-requisite(s): Unsuccessful completion of Geometry

Geometry and Algebra 2 are combined in this course designed for students who failed Geometry I and did not attend summer school. Students will meet 2 periods, back to back, with the first semester emphasizing Geometry concepts and the second semester covering Algebra 2. Students will benefit from not taking two math courses simultaneously. The work load will be more intense than a normal math class since the entire curriculum for each of these courses will be completed in one semester.

0521 (H) GEOMETRY **Grades 9-12**
Full year
5 Credits

Pre-requisite(s): Algebra 1 511/Teacher Recommendation

0522 (CP)

Pre-requisite(s): Algebra 1 511/512

0523

Pre-requisite(s): Algebra 1 513/Teacher Recommendation

This course continues to emphasize deductive mathematical reasoning and uses Euclidean geometry as the model. Geometry is a mathematical system built upon definitions and conjectures. From these, statements will be proven about relationships of geometric figures. The topics of plane, solid, and coordinate geometry will be taught in an integrated approach. Additionally, the foundations of trigonometry and geometric probability will be discussed.

0526 PROBABILITY AND STATISTICS **Grade 12**
Full year
5 Credits

Pre-requisite(s): Algebra 2 531/532

Probability and Statistics includes the topics of organizing and presenting data, permutation and combinations, elementary probabilities (including independent and conditional probability), binomial and other distributions, elements of estimation, testing hypotheses, sampling theory, regression and correlation, and statistical influence. Possession of a graphing calculator is strongly recommended.

0527 SENIOR MATH **Grade 12**
Full year
5 Credits

Pre-requisite(s): Geometry 523, Algebra 2 533, & Departmental Permission

This course is an ideal math review course for high school seniors who plan to attend a post-secondary institution. It provides a comprehensive overview of mathematical ideas as they relate to a variety of disciplines and real-world situations. Students will learn from detailed, step-by-step examples, applied technology and critical thinking strategies. Concepts include sets, logic, algebra, geometry, probability and statistics.

MATHEMATICS DEPARTMENT

0531 (H) ALGEBRA 2 **Grades 9-12**
Pre-requisite(s): Algebra 1 511, Geometry 521/Teacher Recommendation **Full year**
532 (CP) **5 Credits**

Pre-requisite(s): Algebra 1 512, Geometry 522
0533

Pre-requisite(s): Algebra 1 513, Geometry 523/Teacher Recommendation

This course may include such topics as elementary algebra, linear functions, polynomial functions, matrices, the real number system, exponential functions and logarithms. Additionally, the foundations of trigonometry and analytical geometry may be extended to include conic sections. Logistic functions and more in-depth data analysis and probability will be covered.

0540 ADVANCED ALGEBRA AND TRIGONOMETRY **Grades 11-12**
Pre-requisite(s): Algebra 1 512, Geometry 522, Algebra 2 532 & Teacher Recommendation **Full year**
5 Credits

This college prep course is designed for juniors intending to continue their education by attending a four year college after graduation. Students contemplating further studies in mathematics or science should take Pre-Calculus, not Advanced Algebra. Students will study such topics as polynomial functions, exponential functions, trigonometry, and logarithms. A great deal of time will be allocated to HSPA and SAT preparation and strengthening mathematical skills required to be successful on college placement tests.

0541 (H) PRE-CALCULUS **Grades 11-12**
Pre-requisite(s): Algebra 1 (511), Geometry 521, Algebra 2 531 **Full year**
& Teacher Recommendation **5 Credits**

0542 (CP)
Pre-requisite(s): Algebra 1 512, Geometry 522, Algebra 2 532
& Teacher Recommendation

Pre-Calculus provides the essential mathematics background needed in the study of Calculus. Its subject matter includes polynomial functions, trigonometry, exponential and logarithmic functions, and curve fitting. The use of graphing technology is integrated throughout this course. Topics are presented through solving real world problems.

0545 (H) CALCULUS **Grade 12**
Pre-requisite(s): Pre-Calculus 541 or 542 & Teacher Recommendation **Full year**
5 Credits

This college level course is designed to allow students the opportunity to preview the course before college. Calculus, as a study of sophisticated methods of calculation, is approached analytically. Topics include differentiation of algebraic and transcendental functions. These skills will be applied to graphing rates of change, and computation of areas and volumes.

0546 (AP) ADVANCED PLACEMENT CALCULUS (AB) **Grade 12**
Pre-requisite(s): Pre-Calculus Honors 541 & Teacher Recommendation **Full year**
5 Credits

This is a college level course in differential and integral calculus. It follows the scope and sequence of topics outlined by the College Entrance Examination Board (CEEB) for the Advanced Placement Calculus AB course. The advanced nature of this course presupposes a high aptitude in and an enthusiasm for abstract mathematics, including willingness to complete problem assignments on a regular basis. All students enrolled in this course will be required to take the AP Calculus Exam.

0547 (AP) ADVANCED PLACEMENT CALCULUS (BC) **Grade 12**
Pre-requisite(s): Advanced Placement Calculus (AB) & Teacher Recommendation **Full year**
5 Credits

Calculus BC is a college level course. It follows the scope and sequence of topics outlined by the College Entrance Examination Board (CEEB) for the Advanced Placement Calculus BC course. This course is designed to provide a solid second year college calculus experience, focusing on a graphical, numerical, and conceptual approach to the material presented. All students enrolled in this course will be required to take the Calculus BC exam.

***(H) Honors (CP) College Prep**

MATHEMATICS AND COMPUTER EDUCATION

In order to meet the future challenge of a computer-oriented society, a four-year program is available to students. Three computer labs serve to provide a varied and comprehensive computer science program of studies.

0551 COMPUTERS AND TECHNOLOGY

Grades 9-12
Full year
5 Credits

Through the presentation and exploration of many hands-on projects, students will learn the common uses and functions of the Mac computer. The course will begin by teaching students to operate the keyboard to develop acceptable speed and accuracy. The course will progress to Microsoft Office applications, where students will develop the necessary skills needed for school and work. In addition, students will explore ilife programs including but not limited to itunes, iphoto, imovie, iweb, and garage band. This is an excellent course for developing computer and keyboarding skills necessary for college and the workplace.

0552 COMPUTER PROGRAMMING 1

Grades 9-12
Full year
5 Credits

Through this course students extend their fundamental knowledge of computers. The students will learn what an object-oriented language is and are introduced to Java programming structure. Programming style will be emphasized. Variable assignments, types, loops, functions, classes and objects, and arrays will be introduced to develop the solutions of basic problems.

0553 COMPUTER PROGRAMMING 2

Grades 10-12
Full year
5 Credits

Pre-requisite(s): Computer Programming 1

This course prepares the students for college or technical school. Classes and objects, array, recursions and data structures will be introduced. Students will use Java programming to develop advanced programs. Treatments of computer systems and the social implications of computing are integrated into the program and not isolated as separate units. Students will be able to develop real world programs at the end of this course.

0554 ADVANCED PLACEMENT COMPUTER PROGRAMMING

Grades 10-12
Full year
5 Credits

Pre-requisite(s): Computer Programming 1 and/or 2
Teacher Recommendation

Advanced Placement Computer Programming is offered to the serious college-bound computer science students. It is equivalent to the first semester of an introductory course in computer science on the college level. This course provides students with an in depth knowledge on programming methodology, algorithms and data structures. Applications of computing provide the context in which these subjects are treated. Java has been selected as the high level programming language to serve as the vehicle for implementing the computer based solutions to particular problems. All students enrolled in this course will be required to take the AP Computer exam.

PERFORMING ARTS

MUSIC/THEATRE

The Music Department offers students experiences in instrumental and/or vocal music. Instruction will be provided on an individual, small group, and large group basis. Opportunities are provided for students with or without training or experience. To complement the classroom instructional phase of the program, students are encouraged to participate in the marching/concert band and/or the choir.

Special ensembles, vocal and instrumental, will be formed based upon student interest and request.

0051 CONCERT BAND

Grades 9-12

Pre-requisite(s): Successful membership in Middle School Band or Departmental Permission (audition)

**Full year
5 Credits**

This course is designed to develop the necessary skills needed for Concert Band. Students will learn much of the same music as Advanced Concert Band with more emphasis placed on the fundamentals of good instrumentation.

Emphasis will be placed on the following:

1. Large ensemble playing incorporating the development of performance skills, fundamentals of music reading, familiarity of most commonly used scales, proper playing technique, basic ear training, and introduction to basic band repertoire.
2. Participation in concerts throughout the year.
3. School citizenship through punctuality and attendance at all rehearsals and performances as set forth by the needs of the course.
4. Emphasis upon group responsibilities and positive behavioral attitudes.

0054 CONCERT BAND/CONCERT CHOIR

Grades 9-12

Pre-requisite(s): Successful membership in Middle School Band, Departmental Permission (audition)

**Full year
5 Credits**

Students who are gifted with the ability to play an instrument, sing, and enjoy Concert Band and Concert Choir should choose this class. Band and Choir classes will alternate throughout the week and be taught by their respective teacher. On days that are labeled Band Emphasis Days, the Choir Director will hold small group instruction, and on Choir Emphasis Days, the Band Director will hold small group instruction. Team teaching allows the students to have more individual and small group instruction. Grades will be combined from both teachers to form one music grade. Students MUST already be able to play an instrument to sign up for this class, and all students must be willing to perform multiple concerts after normal school hours. Come join us and make some wonderful music!

0056 ACTING 1

Grades 9-12

**Full year
5 Credits**

Students will learn the skills necessary to become good actors. Stage presence, character development, script reading, scene awareness, and more will be taught to make students in this class the next big stars! Students that complete this class are bound to become more comfortable performing on stage, and portraying a character in front of an audience.

0057 ACTING 2

CHARACTERIZATION AND SCENE DEVELOPMENT

Grades 10-12

Pre-requisite(s): Acting 1

**Full year
5 Credits**

Building off of the basic skills that were established in the Acting 1 class, students will create believable characters and work on scenes from major works of drama. Class time will be spent developing believable characters and bring a playwright's vision to life. Script analysis, character motivation, blocking techniques, character energy, and personal relationship to other characters will be developed. This class will take your basic acting skills and polish them to a brilliant shine as you come to life on stage.

PERFORMING ARTS

0058 ACTING 3
SCRIPT ANALYSIS AND PLAY STUDY **Grades 11-12**

Pre-requisite(s): Acting 2

Full year
5 Credits

Building off the skills learned in Acting 1 and 2, students will begin to explore dramatic literature as a whole. Time will be spent reading, analyzing, and responding to master works of dramatic literature. Time will also be spent performing scenes from selected major works both individually and as a group. Students will continue to study the art of acting through the planned performance of works which fulfill the playwright's vision. Musical Theatre, Shakespeare, and Greek Tragedy/Comedy will be explored and discussed. Students will further their study of dramatic literature as an integral part of society, from BC to current day.

0059 ACTING 4
ADVANCED THEATRE STUDIES **Grade 12**

Pre-requisite(s): Acting 3

Full year
5 Credits

Building off skills learned in Acting 1, 2, and 3, students will explore dramatic literature from the point of view of a Director, Designer, Dramaturg, and Actor. Students will learn how to bring a play from the script to the stage, including how to light a stage, how to design a set, and how to utilize sound cues and music cues within a production. Students will continue their study of the art of acting, script analysis, emotional connection, stage blocking, and plot/theme. In addition, students will work as designers/directors, actors and producers, while bringing electrifying motivational theatre to life on stage, practicing all assets of modern day theatre production.

0062 CONCERT CHOIR **Grades 9-12**

Full year
5 Credits

This is a course in choral singing that emphasizes the following:

1. Choral singing, incorporating vocal technique, music, notation, reading terminology, rhythms, sight and sound intervals, diction, sight reading, and choral repertoire.
2. Concert preparation with full participation in concerts throughout the year. Some out-of-class time is required for performances.
3. School citizenship through punctuality and attendance at all rehearsals and performances as set forth by the needs of the course.
4. Emphasis upon group responsibilities and positive behavioral attitudes.

0063 SELECT ENSEMBLE **Grades 11-12**

Pre-requisite(s): Vocal Audition and Two Years of
Choral Singing at the High School level

Full year
5 Credits

This is an advanced course in choral singing. A vocal audition and two years of enrollment in concert choir are necessary in order to enroll in this course.

0072 MUSIC THEORY I **Grades 10-12**

Pre-requisite(s): Departmental Approval

Full year
5 Credits

The primary objectives of this course are to develop the skills of notation, sight-reading, sight-singing, melodic dictation, chord analysis, harmonization, composition and choral writing.

PERFORMING ARTS

0073 ADVANCED PLACEMENT MUSIC THEORY
Pre-requisite(s): Music Theory I and/or
Departmental Permission

Grades 11-12
Full year
5 Credits

Upon successful completion of Music Theory I, students will continue to learn advanced music theory concepts and will apply all learned composition and arranging skills through performance and recording. Students enrolled in this course will compose and arrange music that can be written, recorded and performed through the use of new music technology. Additionally, students will continue to do sight-singing as well as melodic, harmonic and rhythmic dictation in preparation for the AP exam. All students enrolled in this course will be required to take the AP Music Theory exam.

PHYSICAL EDUCATION/HEALTH DEPARTMENT

PHYSICAL EDUCATION/HEALTH

The Physical Education program for grades nine through twelve will encompass areas of study and participation in activities that are evident in our society today. These activities are broken down into three general categories: team sports, physical fitness and life-time activities. Although team sports are important, we only participate in them for a short time in our lives. Students, therefore, must become familiar with activities they can enjoy as adults. An appreciation and understanding of skills in these categories and the value of activity for life will be stressed. The upper grades in particular will have the opportunity to learn and participate in life-time activities. Safety in the use of equipment and participation in activities will be included in the instructional program and stressed at all times.

The Health program will provide for those areas of study as prescribed by the State as well as addressing itself to the social problems and concerns that are facing society today. The curriculum will include drug, tobacco, and alcohol education (mandated ten clock hours each year), environmental studies, human growth and development, driver and safety education, responsible personal behavior, understanding yourself, wellness and First Aid/CPR. Student involvement in discussion, projects and research will be stressed. Healthful and safe living is both vital and basic to the well-being of mankind.

Every student is required to satisfactorily complete a course in Health and Physical Education during each of his four years in high school. Students who cannot participate in the Physical Education program must present a medical excuse from a physician. This excuse is valid only for the period of time indicated by the physician and never for more than one year. Any student who fails Health or Physical Education must make up the failure.

0611 PHYSICAL EDUCATION 9
0613 (Lab)
Mandatory (State Graduation Requirement)

Grade 9
3 Marking Periods
3.75 Credits

This course will include a wide range of activities: soccer, field hockey, floor hockey, gymnastics, aerobics, muscular strength training, volleyball, archery, golf, badminton, circuit weight training, softball and a fitness pre and post test each marking period. Emphasis will be placed on the development of fundamental skills and an awareness of the components of personal fitness along with health and wellness. Students will define and apply their own personal fitness goals through the use of various programs, individual and group projects.

0612 HEALTH 9
0614 (Lab)
Mandatory (State Graduation Requirement)

Grade 9
1 Marking Period
1.25 Credits

This health component will include concepts in the following units of study: Human Growth and Development, which involves the reproduction system, conception and pregnancy, prevention of pregnancy, termination of pregnancy, and labor and delivery; Responsible Personal Behavior, which involves abstinence, teenage pregnancy, sexual assault/rape, AIDS and other sexually transmitted diseases, communicable diseases and substance abuse; self esteem, values and emotions.

PHYSICAL EDUCATION/HEALTH DEPARTMENT

0621 PHYSICAL EDUCATION 10 **Grade 10**
0623 (Lab) **3 Marking Periods**
Mandatory (State Graduation Requirement) **3.75 Credits**

This course is a continuation of many of the activities offered in ninth grade. The emphasis will be placed on refining fundamental skills, introducing game strategies and developing an awareness of how to effectively utilize human resources. This course will also introduce many new activities: tennis, weight training, basketball, volleyball, golf, aerobics, speedball, floor hockey, lacrosse, golf, archery and health and wellness and a fitness pre and post test each marking period.

0622 HEALTH 10 **Grade 10**
0624 (Lab) **1 Marking Period**
Mandatory (State Graduation Requirement) **1.25 Credits**

This health course involves the study of the automobile in modern life and aims to develop mature attitudes and proper habits for safe driving. Driver Education Theory consists of the following units of study: understanding state mandated driver training requirements, the physical, mental, and emotional aspects of driving; the construction and operation of the automobile, traffic and safety laws, driving techniques, driving and substance abuse, and the effects of the motor vehicle on modern living. This health component is an aid in preparing for the written examination required by the State Department of Motor Vehicles.

0631 PHYSICAL EDUCATION 11 **Grade 11**
0633 (Lab) **3 Marking Periods**
Mandatory (State Graduation Requirement) **3.75 Credits**

A program of electives will be offered to the Juniors and Seniors in Physical Education, during the regular scheduled P.E. Class. Each student will be able to choose from a list of activities based on facilities and seasons. Some activities offered include tennis, badminton, weight training, floor hockey, basketball, recreational games, aerobics, archery, golf, football, softball, speedball, volleyball, tennis and a fitness pre and post test each marking period.

0632 HEALTH 11 **Grade 11**
0634 (Lab) **1 Marking Period**
Mandatory (State Graduation Requirement) **1.25 Credits**

This health component will consist of the following units of study: Responsible Personal Behavior, which includes First-Aid and the prevention of most accidents in the home, Introduction to Cardiopulmonary Resuscitation, which involves respiratory/circulatory systems, heart attacks, basic skills of CPR and choking situations; Review of Emergency First-Aid Procedures, which covers the Heimlich maneuver, bleeding and wounds, poisoning, Lymes disease, shock, fractures, bone and joint injuries, heat and cold exposure emergencies and communicable diseases.

Upon successful completion of the CPR written and practical testing, students will be certified in Basic Adult CPR. Each student will receive a card signed by their respective instructor.

0641 PHYSICAL EDUCATION 12 **Grade 12**
0643 (Lab) **3 Marking Periods**
Mandatory (State Graduation Requirement) **3.75 Credits**

A program of electives will be offered to the Juniors and Seniors in Physical Education, during the regularly scheduled P.E. Class. Each student will be able to choose from a list of activities based on facilities and seasons. Some activities offered include tennis, badminton, weight training, floor hockey, basketball, recreational games, aerobics, archery, golf, football, soccer and a fitness pre and post test each marking period.

PHYSICAL EDUCATION/HEALTH DEPARTMENT

0642 HEALTH 12
0644 (Lab)
Mandatory (State Graduation Requirement)

Grade 12
1 Marking Period
1.25 Credits

This health component investigates the following units of study: Understanding Self, which emphasizes self esteem, emotions, values, prejudices, teen suicide, eating disorders, Interpersonal relationships, which deals with relationships, being in love, abstinence, teen pregnancy, other sexual orientations and dating violence; and Responsible Personal Behavior, which investigates adult living, family management, getting married, purposes of a family, family stress and crisis, review of birth control, abortion, parenting, parental responsibilities, substance abuse, AIDS, other sexually transmitted diseases, and rape intervention, breast and prostate cancer and communicable diseases.

SCIENCE DEPARTMENT

SCIENCE

Science is an important part of everyday living and an in-depth science education is important for every high school graduate. The science curriculum provides science course sequences for students of all levels and career paths. Course content is presented to students through lectures, discussions, field work and laboratory experiences. All biology students will be required to take the New Jersey Biology Competency Test administered in May.

The goal of the Science, Technology, Engineering and Mathematics Education Coalition (STEM) is to foster coursework in these academic areas in order to produce professional graduates for the workforce.

Lacey Township High School will be implementing a four-year pre-engineering program beginning September 2012. Students will be required to be enrolled in specific aligned math, science, Computer-Aided Drafting Design (CADD) and/or electronic courses. Participants will compete in outside engineering competitions. Curriculum will be aligned with NJ approved Math Common Core State Standards, NJ Science Core Curriculum Content Standards, and private industry principles. Projects developed by a team of high school teachers and Lakehurst Naval Air Base engineers will be integrated. Students must be recommended by their teachers to enroll. More information will be made available upon Board of Education approval of the STEM curriculum.

HONORS COURSES

In the honors, advanced and AP science programs, special emphasis is placed on problem-solving techniques, the analysis of data, the drawing on inferences, and the application of new knowledge. Laboratory experiments are generally more intricate, and students must demonstrate the ability to work independently.

Student performance is measured in part through performance on written tests and quizzes, homework and class assignments, laboratory projects, and class participation. Placement recommendations are reviewed annually according to the multiple criteria identified in the front of this manual.

0487 INTRODUCTION TO ENGINEERING DESIGN

Grades 9-12

Pre-requisite(s): Algebra I 511/512 (completed or concurrent)
Biology 571/572 (completed or concurrent)

Full year

5 Credits

The Introduction to Engineering Design is a project-based course. The course starts from the concept of an idea on paper using freehand sketches to developing a 3-D model of the product. Once the model is created, the object will be observed from many different viewpoints. This 3-D model representation has become the industry standard. The model will be used to create the 3-view drawings, assembly drawings, and many other drawings that make up the necessary plans to make a product that we use in every day life. This course provides the visualization capability by using the latest computer hardware and software used in almost all engineering fields. This course will emphasize the development process and different manufacturing techniques of a product. The design process and techniques of product development can be applicable to many other professional careers in other industries. Math and Science will be an important part of the course.

SCIENCE DEPARTMENT

0488 PRINCIPLES OF ENGINEERING **Grades 9-12**

Pre-requisite(s): **Geometry 522/523 (completed or concurrent)**
Chemistry 581/582 (completed or concurrent) **Full year**
5 Credits

A course that helps students understand the field of engineering. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

0489 COMPUTER INTEGRATED MANUFACTURING **Grades 10-12**

Pre-requisite(s): **Geometry 522/523 (completed or concurrent)**
Chemistry 581/582 (completed or concurrent) **Full year**
5 Credits

A course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction Engineering Design, and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included.

0562 SURVEY OF SCIENCE **Grades 10-12**

Pre-requisite(s): Any level of Math (concurrent) **Full year**
5 Credits

Survey of Science will provide students with an understanding of the structure of the earth and the nature and interrelationships of the dynamic physical and chemical process involved in the formation, development and daily activities of our planet. The earth is examined in terms of its place in the universe. The disciplines of astronomy, meteorology, oceanography and geology are combined in this course utilizing descriptive classroom lecture and discussion in combination with laboratory inquiry. Career opportunities are explored. Current issues of concern are investigated using inductive and deductive reasoning.

0564 ENVIRONMENTAL SCIENCE **Grades 10-12**

Pre-requisite(s): Any level of Biology and Math **Full year**
5 Credits

Environmental Science is an elective course that is offered to students with an interest in humankind's interaction with our natural environment. The goal of the course is to develop an understanding of the laws of nature and practical application of these laws in an ever-changing society. Opportunities are provided for students to examine, analyze, evaluate and react to problems in today's world and the future world based on known environmental conditions both locally and worldwide. For each environmental issue discussed, students will prescribe alternative solutions to the problems, as well as examine attitudes and life styles affected by the issue.

Topics for discussion include: solid and hazardous wastes; air, water, and noise pollution; land use issues; energy sources and alternatives; local ecosystem studies (i.e. Pine Barrens, Barnegat Bay/Atlantic Ocean, etc.); wildlife issues; overpopulation; nuclear war; and more. Due to the nature of these socio-scientific problems, students will assess their values and attitudes on many moral and ethical issues that are raised through discussion, debate, and written reports. Laboratory and field studies will be included in this course.

0565 AP ENVIRONMENTAL SCIENCE **Grades 11-12**

Pre-requisites: **Biology 0571, Chemistry 0581,**
Algebra I 511/512 & Teacher Recommendation **Full year**
5 Credits

Advanced Placement Environmental Science is offered to the serious college bound science students. The course is equivalent to an introductory college course in environmental science. This course is interdisciplinary and integrates a wide variety of topics from different areas of scientific study. The students will explore scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Course topics will include solid waste management, pollution, land use issues, natural resources, alternative energy, and natural ecosystems. All students enrolled in this class will be required to take the AP Environmental Science exam.

SCIENCE DEPARTMENT

0571 (H) BIOLOGY

Co-requisite: Algebra 1 511/512 or Geometry 521/522 or Algebra 2 531/532 and Teacher Recommendation

0572 (CP)

Co-requisite(s): Algebra 1 511/512 or Geometry 521/522 or Algebra 2 531/532 and Teacher Recommendation

0573

Co-requisite(s): Algebra 1 513

Grades 9-12

Full year

5 Credits

Biology will provide students with an understanding of the basic concepts and processes related to the development, maintenance and survival of living organisms. Students are introduced to major biological concepts and principles such as ecological relationships, cell structure and function, biochemical processes, the origin of life, and theory of evolution. The students explore specific groups of organisms in a systematic sequence. Emphasis is placed on an awareness of similarities and differences in body structure and function between organisms of the various types. The course includes a program of hands-on laboratory explorations to enhance classroom activities. All biology students will be required to take the New Jersey Biology Competency Test.

0575 (AP) ADVANCED PLACEMENT BIOLOGY

Pre-requisite(s): Biology 571

Chemistry 581 with an average of 84 or higher

Algebra 2 531/532 (Completed or Concurrent) & Teacher Recommendation

Grades 11-12

Full year

5 Credits

Advanced Placement Biology is offered to serious college-bound science students. It is equivalent to an introductory course in biology on the college level. This course emphasizes the integration of all scientific disciplines as they relate to biology. Major topics studied are zoology, botany, human anatomy and physiology, cytology, evolution, biochemistry and ecology. Students will develop, practice, and refine critical thinking through laboratory work, reading supplemental and analytic materials and participating in independent activities. All students enrolled in this course will be required to take the AP Biology exam.

0578 MARINE BIOLOGY AND OCEANOGRAPHY LAB

Pre-requisite(s): Biology 571/572 and Algebra 1 511/512

Grades 10-12

Full year

5 Credits

Marine Biology/Oceanography Lab is a full year elective course for students with an interest in the dynamic processes of the ocean. The course is divided into four major areas of oceanography: geologic, physical, chemical, and biological. Emphasis is placed on the interaction found within the marine environment. Laboratory and field studies will be included to supplement classroom activities.

0580 (AP) ADVANCED PLACEMENT CHEMISTRY

Pre-requisite(s): Chemistry 581 with an average of 84 or better & Teacher Recommendation

Co-requisite(s): Pre-Calculus 541/542 & Teacher Recommendation

Grades 11-12

Full year

5 Credits

Advanced Placement Chemistry is offered to the serious college-bound science students. It is equivalent to the second semester of an introductory course in chemistry on the college level. This course provides students with an in-depth understanding of chemical systems through extensive laboratory inquiry. The topics covered in the classroom and laboratory work stress the basic principles of intermolecular forces, solutions, chemical kinetics and equilibrium, acids and bases, electrochemistry and organic chemistry. Students will develop, practice and refine critical thinking through laboratory work and independent activities. All students enrolled in this course will be required to take the AP Chemistry exam.

SCIENCE DEPARTMENT

0581 (H) CHEMISTRY

Pre-requisite(s): Biology 571, Algebra 1 511/512 & Teacher Recommendation

Co-requisite(s): Geometry 521/522

0582 (CP)

Pre-requisite(s): Biology 571/572 and Algebra 1 511/512

0583

Pre-requisite(s): Biology 573 and Algebra 1 513

Chemistry will provide students with an understanding of the nature of matter and of the natural laws which govern it. The fundamental reactions involved in chemical changes of matter are particularly emphasized. The mole concept, the gas laws, atomic theory, the nature of chemical bonds and energy relationships in chemical reactions are some of the important topics covered in the course. Extensive use of integral laboratory activities will emphasize concepts, organization and proper application of the scientific method.

Grades 10-12

Full year

5 Credits

0584 CHEMISTRY 2

Pre-requisite(s): Chemistry 582 Full year

Co-requisite(s): Algebra 2 531/532

Chemistry 2 is offered to college-bound students who have taken Chemistry 0582 and who plan on a career in science, math or engineering. It is equivalent to the first semester of an introductory course in chemistry on the college level. The topics covered in classroom and laboratory work stress the basic principles of atomic theory and structure, stoichiometry, thermochemistry, electronic structure, chemical and molecular bonding and the gas laws. Students will develop, practice and refine critical thinking through laboratory work and independent activities.

Grades 11-12

5 Credits

0585 ANATOMY AND PHYSIOLOGY

Pre-requisite(s): Biology 571/572 and Chemistry 581/582

Anatomy and Physiology addresses fundamental scientific benchmarks utilizing independent study, practical applications, critical thinking, problem solving. The course includes extensive dissection to help explore structures and functions of the human body, including but not limited to cells, tissues, muscular structure and the nervous system. Students will explore the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems.

Grades 11-12

Full year

5 Credits

0586 FORENSIC SCIENCE

Pre-requisite(s): Biology 571/572 and Chemistry 581/582

Forensic Science offers students an introduction to crime scene investigations. The course will explore the basic procedures involved in the application of scientific principles and methods utilized to assist in criminal and civil investigations and litigations. Biology, chemistry, and physics will be applied to criminal investigations. Students will investigate, document and process evidence at potential crime scenes. Topics of study include fingerprint analysis, documentation analysis, trace evidence, ballistics, entomology and handwriting analysis.

Grades 11-12

Full year

5 Credits

0591 (H) PHYSICS

Pre-requisite(s): Chemistry 581 and Teacher Recommendation

Co-requisites: Algebra 2 531/532

0592 (CP)

Pre-requisite(s): Chemistry 582

Co-requisite(s): Algebra 2 532

Physics will provide students with a basic understanding of the principles of energy and motion. Topics include: kinematics, dynamics, energy, thermodynamics, optics, sound, electricity, and magnetism. Extensive laboratory activities emphasize concepts, organization and proper application of the scientific method.

Grades 11-12

Full year

5 Credits

SCIENCE DEPARTMENT

0593 (AP) ADVANCED PLACEMENT PHYSICS

**Pre-requisite(s): Physics 591 with an average of 84 or higher each marking period
and Departmental Permission**

Co-requisite(s): Calculus or Departmental Permission

Grade 12

**Full year
5 Credits**

Advanced Placement Physics is offered to serious college-bound science students who plan on a career in science, math, engineering, or computer field. It is equivalent to an introductory course in physics on the college level. Particular emphasis is placed on energy, its sources, transformations, utilization and conservation, electronics and optics. Students will develop, practice and refine critical thinking through extensive laboratory work and independent activities. All students enrolled in this course will be required to take the AP Physics exam.

The Science Fair Research Project

The Science Fair Research Project is designed to help students develop those skills needed to solve problems in a logical, orderly fashion. Students are given an opportunity to explore some area of science, related to the course in which they are enrolled, as they apply the scientific methods to a topic of their choice. Each student enrolled in a science course will be required to successfully complete a science fair research project in order to receive course credit. (This project is optional for students enrolled in AP science courses or those taking a fourth year of science.)

The process utilized to conduct this project will begin in the Fall and will culminate in late February with the school-wide science fair. During this time, students are expected to work on this project both in school and at home in order to fulfill all requirements of each step according to an established timeline. To facilitate this work, the Media Center will be open Monday – Thursday from 1:45 pm–2:45 pm.

Parents' awareness and support for this project encourages student success.

SOCIAL STUDIES DEPARTMENT

SOCIAL STUDIES

The study of Social Studies is an integral part of every student's education. The Social Studies Department has developed a course of study that is designed to provide each student with a diverse social studies curriculum both national and international in scope. A comprehensive study of world and national history is provided through a required three-year program emphasizing the social, cultural, economic, and historical factors that have determined our growth. The basic principles of government and citizenship, with its rights, responsibilities and duties, will be thoroughly explored.

All students are required to take World History I, U.S. History I and U. S. History II in order to meet New Jersey State graduation requirements.

Elective courses that enlighten the students in the areas of Human Development and Behavior, Criminology, Economics, Ethics and American Government are also available.

By completing this comprehensive curricular program, students will be prepared to compete in today's world.

HONORS COURSES

The Social Studies Department offers honors level courses in World History, U.S. History I and II when enrollment is sufficient, master scheduling permits, and teachers are available. A student is recommended for the program by the department. Each course will provide students with the opportunity to develop critical thinking skills, creativity and the application of knowledge.

Major criteria for placement include teacher recommendation, motivation, achievement on standardized tests, student marking period grades, midterm and final exam grades, reading and writing proficiency, and the ability to work independently. Honors course grades are weighted, and pupils must maintain an 88 average or higher in an Honors course or a 92 average or higher in a non-Honors course to continue in the program. Placement recommendations are reviewed annually according to the multiple criteria identified here.

0711 (H) WORLD HISTORY 1: From Global Encounters to the Modern World **Grade 9**
0712 (CP) (Course numbers vary by level) **Full year**
0713 **5 Credits**

The focus of this course is to understand how the historical events starting with worldwide exploration and expansion of trade eventually inspire increased global economic interdependence, population growth, and cooperation leading into the 21st century. Major emphasis will be on the historical, economic, cultural, political, geographical, social, and religious development of the modern world. Current world situations and events will be infused throughout this curriculum. This course is required for all freshmen.

0715 WORLD HISTORY 2 (Elective): The Ancient World **Grades 10-12**
Full year
5 Credits

The focus of this course is for the students to apply critical thinking skills as they study history and cultures, the role of geography and the development of social, economic and political structures throughout the world at various times. Students will trace the evolution of important ideas, beliefs, practices and technologies beginning with human migration, adaptation and the emergence of the first civilizations. Students will study the growth of the early empires to the rise of constitutional governments.

0721 (H) UNITED STATES HISTORY 1 **Grade 10**
0722 (CP) (Course numbers vary by level) **Full year**
0723 **5 Credits**

The design of this course is to provide a comprehensive study of the development of our nation from exploration and colonization through World War I. Major emphasis will be placed on the development of the government as well as the cultural, economic and social factors which have influenced the growth of the country. This course is required for all sophomores.

SOCIAL STUDIES DEPARTMENT

0731 (H) UNITED STATES HISTORY 2 **Grade 11**
0732 (Course numbers vary by level) **Full year**
0733 **5 Credits**

Pre-requisite(s): U.S. History 1

It is the structure of this course to deal with the changes that brought our country from a rural-isolationistic land to the leading industrial nation of the world. Emphasis will be placed on the study of historical events as well as the investigation of contemporary issues. This course is required for all juniors.

0740 (AP) ADVANCED PLACEMENT U. S. HISTORY **Grade 12**
Pre-requisite(s): Honors U. S. History 1, Honors U.S. History 2, and/or **Full year**
Departmental Permission **5 Credits**

The Advanced Placement United States History program is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and events in United States History. It follows the scope and sequence of topics outlined by the College Entrance Examination Board (CEEB). The program prepares students for intermediate and advanced college courses by making demands upon them that are equivalent to those made by a full year introductory college course. The advanced nature of this course presupposes a high aptitude in, and enthusiasm for, history. All students enrolled in this course will be required to take the AP U.S. History exam.

0745 SOCIAL AND BEHAVIORAL SCIENCES **Grades 10-12**
Full year
5 Credits

This course will give the student a broad view of Psychology and Sociology. Psychological topics will include human development, heredity and environment, personality disorders, learning theory and social psychology. Sociological topics will include the culture and values of various groups in society, social control, social institutions, and social structure. Practical and meaningful applications of psychology and sociology will be included in this course.

0760 AMERICAN GOVERNMENT **Grades 9-12**
Semester
2.5 Credits

Democracy is a living, evolving process based on the interchange of ideas within an established system of laws. To become effective participants, people must develop an understanding of the way the system works. An informed and active participant in the democratic process is essential to a healthy community and a responsive government. This course is designed to provide the foundations of citizenship which is an integral part to a complete education. It is recommended for the college bound student; however, every student is encouraged to take the course. Students will learn how the Executive, Judicial, and Legislative branches of government work, including the functions and roles of Congress, the Supreme Court, and the President of the United States. Students will also study political parties, government agencies (CIA, FBI, Homeland Security, etc.), the Constitution, foreign policy, civil liberties, and local/state governments.

0761 CRIMINOLOGY **Grades 10-12**
Semester
2.5 Credits

The focus of this course will be to examine the nature, categorization, measurement, and causes of crime and the theoretical explanations of criminal behavior. Covered also will be victimology, the operation of the criminal justice and court systems, the development, organization, and the operation of policing and corrections. The course will cover the major areas of criminological study using the integration of a legal and social science approach. Students will utilize critical thinking skills to analyze both historical and contemporary issues concerning law, crime and society's response to it. Students will use individual and cooperative learning strategies and activities to develop their analytical and evaluative skills.

SOCIAL STUDIES DEPARTMENT

+0762 ECONOMICS

**Grades 9-12
Semester
2.5 Credits**

The focus of this course will be to expose the student to both economic theory and investment skills. Students will learn how the American and global economic systems function as well as economic systems and philosophies, microeconomics and macroeconomics, supply and demand, economic policy of the United States, and a brief understanding of the domestic and global stock markets. In addition, students will gain a fundamental understanding of how to better manage their financial future in a global economy.

0763 ETHICS AND MORALITY

**Grades 10-12
Semester
2.5 Credits**

The focus of this course will be to examine values and virtues important to the American society. Students will utilize critical thinking skills to analyze conflicting values and to make ethical decisions. In discussion of each issue, no "right" answer will be provided; instead, students will be encouraged to use individual and cooperative learning strategies and activities to develop their analytical and evaluative skills. Ultimately, this course will help the student to develop their own personal values and make intelligent decisions about their values, attitudes, actions, and behaviors.

+ Effective with the graduating Class of 2014, students will be required to meet 2.5 credits of Financial, Economic, Business and Entrepreneurial Literacy.

WORLD LANGUAGES DEPARTMENT

WORLD LANGUAGES

The United States Department of Education has included the study of world language as an integral unit in a child's education. With our exposure to world-wide markets, cultural events, businesses, and interests, it is essential that Lacey students become familiar with other cultures and languages. With the new texts which emphasize communication skills and culture, the world languages program is focused on the twenty-first century skills in language development.

The World Languages Department offers a four-year program in the study of French, Spanish, and German, depending on class enrollment and teacher availability. Language study is oral/aural, which develops the basic communication skills of speaking/listening and reading/writing needed to express oneself in and comprehend another language. The program also strives to broaden the student's outlook on language, culture, and thought processes and to develop an awareness of the advantages of knowing a second language in contemporary society.

A minimum of two years language study is needed for admission to many colleges; three or more years are highly desirable.

0311 FRENCH 1

Grades 9-12

0361 SPANISH 1

Full year

0351 GERMAN 1

5 Credits

Primary emphasis in these introductory courses is placed on listening/understanding and speaking in order to develop correct pronunciation and build sufficient vocabulary to converse with comprehension. Topical vocabulary units enable the student to achieve early success in communicating and understanding simple requests or statements about daily living. Instruction in the basic structure of the language enables the student to read short passages and progress from writing simple sentences to composing friendly letters and diary entries. The student is introduced to the study of the customs, daily activities, holidays, foods and geography of the country under study.

***(H) Honors (CP) College Prep**

WORLD LANGUAGES DEPARTMENT

0362 SPANISH 1A **Grades 9-12**
Full year
5 Credits

This course focuses on thematic vocabulary presented in context and supported by grammatical structures to ensure accuracy and oral proficiency. Alternative performance assessment is emphasized. Reading and writing skills, along with Hispanic culture, are infused throughout the course.

0363 SPANISH 1B **Grades 9-12**
Pre-requisite(s): Spanish 1A Full year
5 Credits

This course is a continuation of thematic vocabulary acquisition coupled with more complex grammatical structures. Oral proficiency strategies are also infused. Customs such as food, music, and the arts are explored throughout the course.

0321 FRENCH 2 **Grades 10-12**
0371 SPANISH 2 **Full year**
0352 GERMAN 2 **5 Credits**

Pre-requisite(s): French 1, Spanish 1, or German 1

Through extensive oral work, this second-level course reinforces and develops further the audio-lingual skills learned the preceding year; there is greater concentration on reading longer passages and writing more complex sentences. Vocabulary, especially idiom development, is expanded, and the study of grammar is intensified. While cultural exposure to history, art and music is extended, career options to a speaker of a world language are also explored.

0331 FRENCH 3 **Grades 11-12**
0381 SPANISH 3 **Full year**
0353 GERMAN 3 **5 Credits**

Pre-requisite(s): French 2, Spanish 2, or German 2

The four basic communication skills of writing, speaking, listening, and reading are extended and refined in order that students not only understand the literature and conversational aspects of the language, but understand the contributions of countries to the world family. At the third level, students become aware of current events, prominent world known personalities, and the nuances of cultural differences and similarities. Daily practices in speaking the target language are emphasized on this level.

0341 (H) FRENCH 4 **Grade 12**
0391 (H) SPANISH 4 **Full year**
0354 (H) GERMAN 4 **5 Credits**

Pre-requisite(s): French 3, Spanish 3, or German 3

At level IV, a student has the opportunity to master and refine pronunciation, vocabulary, and conversation through planned and extemporaneous oral presentations and discussions. A more intensive examination and analysis of literature and history as well as further investigation of geography, politics, and culture are undertaken. Research and reading in these and other areas together with instruction in more intricate grammatical structures culminate in written and oral expository reports. Conducted predominantly in the target language, this course is for the highly motivated student who has a proven facility in the second language.

WORLD LANGUAGES DEPARTMENT

0355 (H) GERMAN 5

Grade 12

0392 (H) SPANISH 5

Full year

Pre-requisite(s): German 4 Honors or Spanish 4 Honors

5 Credits

These courses, which are available to students who took a full year of Spanish or German in middle school, emphasize use of the languages for active communication. They strive to develop:

- Strong command of vocabulary and structure;
- Understanding of the spoken language in various conversational situations;
- Ability to read newspaper and magazine articles, contemporary fiction, and non-technical writings without the use of a dictionary;
- Fluency and accuracy in expressing ideas orally and in writing.

Instructional content will reflect interests shared by the students and teacher (the arts, current events, literature, sports, and so forth). In addition to standard textbooks and anthologies, materials might include audio and visual materials, newspapers, magazines, and contemporary literature.

The course will seek to develop language skills that are useful in themselves and that can be applied to various activities and disciplines rather than being limited to any specific body of subject matter. Extensive practice in the organization and writing of compositions will also be emphasized.

0395 CONVERSATIONAL SPANISH 1

Grade 9

Full year

5 Credits

This course is designed for the non four-year college bound student to fulfill the new World Language graduation requirement. Basic grammar, composition, conversation and culture will be incorporated into the course of study.

Please note that this course will not fulfill the World Language admission requirement for a four-year college or university.

SPECIAL EDUCATION DEPARTMENT

SPECIAL EDUCATION

An individualized plan of instruction has been developed for students with identified learning issues. An Individualized Educational Plan (IEP) is developed by the Child Study Team, comprised of a School Psychologist, a Social Worker and a Learning Consultant, in conjunction with a student's parents/guardian and special education classroom teachers. Recommendations are put forward so that the learner has success in the least restrictive environment with a maximized educational opportunity.

The following instructional programs are part of the LTHS Special Education Curriculum:

I. In-Class Resource

Students with special needs are placed in a general education classroom in which two teachers, a content teacher and a special education teacher, team-teach the students inclusively.

II. Resource

A small class setting, the Resource option focuses more individually on the special needs student.

III. Departmental

Students with significant learning disabilities have success in this setting, in which the special education teacher teaches the academic subject.

IV. Mainstream

General education classes are also an option and, if appropriate, are detailed in the IEP.

A transitional plan for post-secondary success is also discussed and is part of the IEP, developed by the Child Study Team Case Manager in conjunction with other needed parties.

ALTERNATIVE EDUCATION PROGRAM

VOCATIONAL

Grades 8-12
Full year
15 Credits

The building trades component of the Alternative Program provides students with hands-on learning experiences in carpentry, sheetrocking, roofing, siding, masonry and plumbing which can lead to both personal and occupational success. Student progress is evaluated on a daily basis.

LIFE SKILLS

Grades 8-12
Full year
5 Credits

A certified counselor provides small group instruction in this developmental course which focuses on pro-social skills. The counselor is also available for individual and small group seminars, family consultations and behavioral contracting.

ACADEMICS

Grades 8-12
Full year
5-15 Credits

A teacher of the handicapped provides direct instruction in English, history, math and science. Individualized instruction in accordance with the student's Individualized Educational Program helps each student to acquire a positive attitude toward the academic setting.

MULTIPLY DISABLED PROGRAM

The purpose of the Multiply Disabled Program at Lacey Township High School is to assist the child to become optimally effective as a member of society. This program recognizes that the MD child's developmental stages last longer than those of other children and require specific stimulation over a longer period of time.

The curriculum is organized into five life skill areas: functional academics, independent living, prevocational skills, socialization skills and employment skills. The program is activity based and focuses on the following learning skills: name recognition, following directions, socially appropriate behavior, self-awareness, recreation and play, job awareness and acquisition skills. Monthly trips are planned to apply these skills in the outside world.

Children and parents are also encouraged to participate in Special Olympics preparation.

OCEAN COUNTY VOCATIONAL TECHNICAL SCHOOL

Grades 11 and 12

10 or 15 Credits

Students attending the Ocean County Vocational Technical School are typically juniors and seniors who wish to continue their education in a college or post-secondary technical institution, or to prepare for a career. The students attend home school for a half-day, and then are transported to their vocational school center (Brick, Waretown, Jackson, Lakehurst, MATES or Toms River) for the remainder of the day. Students maintain fulltime status with their home school where they pursue academic courses, take part in sports and other extra-curricular activities, and graduate. Upon graduation, students receive both a high school diploma and a certificate of completion from the Ocean County Vocational Technical School. In addition, students can receive state and national certifications. **Many vocational technical programs have (Technical Preparation) agreements in which students can earn college credits while still in high school.**

Applications and the *OCVTS Course Guide*, with complete course descriptions, may be obtained from the Guidance Office. The decision of acceptance is made solely by the Ocean County Vocational Technical School and is based on space availability, the student's grades, and record of attendance.

Admissions: (732) 473-3122 • www.ocvts.org

COURSE OFFERINGS 2012-2013

SERVICE OCCUPATIONS

Child Care Professions (Tech Prep)
Cosmetology (Tech Prep)
Culinary Arts (Tech Prep)
Fashion Merchandising/Design (Tech Prep)
Law & Public Safety (Tech Prep)

MARINE/ENVIRONMENTAL

Marine Science 1 & 2
Marine Trades
Agricultural and Environmental Sciences

CONSTRUCTION TRADES

Building Construction Technology
Custom Cabinetmaking
Electrical Trades
Electrical Trades/Integrated Cabling Technology
Heating, Ventilation, Air Conditioning
and Refrigeration (HVAC-R)
Plumbing
Welding

HEALTH TECHNOLOGIES

Dental Assisting
Health and Fitness Technology (Tech Prep)
Medical Assistant (Tech Prep)
Medical Skills & Related Health Careers

TRANSPORTATION TECHNOLOGIES

Automotive & Diesel Engine Technology
Automotive Technology (Tech Prep)
Aviation Aerospace Technology (Tech Prep)
Collision Repair
Motorsports Technology

APPLIED AND PERFORMING ARTS

Audio for Electronic Media (Tech Prep)
Graphic Design Technology (Tech Prep)

COMPUTERS/DESIGN

Architectural/Engineering Design (Tech Prep)
A+ Certification
Computer Service Repair
Computer Science (Tech Prep)

CAREER ACADEMIES

Performing Arts Academy Theatre, Dance and Vocal
Marine Academy of Technology and Environmental Sciences
(MATES)

POST SECONDARY PROGRAMS

Audio for Electronic Media (Tech Prep)
Cosmetology (Tech Prep)
Culinary Arts (Tech Prep)
Practical Nursing (LPN)

TECH PREP

- Architectural/Engineering Design
 - Automotive Technology
 - Audio for Electronic Media
- Aviation Aerospace Technology
 - Child Care Professions
 - Computer Science
 - Cosmetology
 - Culinary Arts
- Fashion Merchandising/Design
 - Graphic Design Technology
- Health and Fitness Technology
 - Law and Public Safety
 - Marine Science
 - Medical Assistant

OCVTS COURSE OFFERINGS

OCEAN COUNTY VOCATIONAL TECHNICAL SCHOOL

Ocean County Vocational Technical School

The Ocean County Vocational Technical School has six centers in Toms River, Brick, Jackson, Waretown, MATES and at Navy Lakehurst. They offer career majors in over thirty areas for students going on to college, or directly into the world of work. OCVTS works hand-in-hand with home schools to provide a complete education for high school students. Programs are also available for high school graduates. In addition, guidance and career counseling services are jointly provided by the vocational school in conjunction with the home school.

Completion of a vocational program offers many advantages to students. Various national certifications may be achieved which will enhance a student's employability and many programs offer college credits through Tech Prep agreements. An increasing number of students continue their education at two and four year colleges. Full-time academics are also available for students in grades 9 through 12 offering thematic programs in the Marine and Environmental Sciences and the Performing Arts.

Participating Schools

A high school sending students to one of the vocational centers is known as a "home school." The home school is responsible for transporting the student to the vocational center as well as providing the student with his/her regular academics.

The student will take English, Physical Education, Social Studies, Science and Math in addition to the vocational program. Some vocational programs offer Physical Education credit, thus freeing up credits for an additional academic period at the "home school." Math, Science and English credit may also be awarded through the use of a matrix.

Students

Students may attend the Ocean County Vocational Technical School during their junior and senior years, as well as for post graduate study. The students attend the "home school" for a half-day and are transported to the vocational center for the other half. Ties are maintained with the "home school" where they pursue academic classes, take part in sports and other extra-curricular activities, and graduate. Students receive a certificate from the vocational school upon successful completion of the course, as well as a high school diploma from the home school.

Requirements

In order to enroll in Ocean County Vocational Technical School, a student must receive the recommendation of his or her counselor. He/she must complete 10th grade for all two-year courses or complete 11th grade for all one-year courses. Students are encouraged to submit an application to Guidance in the fall of sophomore year, since some OCVTS programs fill up quickly. OCVTS applications are available in the Guidance Office.

Good attendance and a good discipline record are critical factors in meeting the entrance standards for the vocational school. Only students in good academic standing may opt to attend vocational school. In addition, some programs require a placement test to determine eligibility. For more information on programs, please visit www.ocvts.org.

Advantages

Successful completion of a program at the Ocean County Vocational Technical School will enable a student to:

- Receive between 10 and 15 elective credits from the home high school per year
- Earn college credits to jumpstart a college education through Tech Prep agreements
- Receive a certificate of completion from OCVTS, in addition to various national certifications
- Receive assistance with job placement in related fields of employment
- Receive assistance with scholarship opportunities for post secondary vocational programs
- Receive a \$160 voucher for an evening school course to pursue further training while working full-time

PROGRAM LOCATOR BY CENTER

Brick Center

Architectural/Engineering Design (Tech Prep)	Fashion Merchandising/Design (Tech Prep)
Audio for Electronic Media (Tech Prep)	Graphic Design Technology (Tech Prep)
Automotive Technology (Tech Prep)	• Art
Building Construction Technology	• Photography
Child Care Professions (Tech Prep)	• Printing
Cosmetology (Tech Prep)	Heating, Ventilation, Air Conditioning and Refrigeration (HVAC-R)
Culinary Arts (Tech Prep)	
• Baking	
• Cooking	
• Restaurant Management	

Jackson Center

Agricultural and Environmental Sciences	Cosmetology (Tech Prep)
Automotive & Diesel Engine Technology	Custom Cabinetmaking
Automotive Technology (Tech Prep)	Electrical Trades
Collision Repair	Motorsports Technology

Navy Lakehurst Center

Audio for Electronic Media (Tech Prep)	Culinary Arts (Post Secondary) (Tech Prep)
Aviation Aerospace Technology (Tech Prep)	Performing Arts Academy (PAA)

Toms River Center

Cosmetology (Tech Prep)	Marine Trades
Dental Assisting	Medical Assistant (Tech Prep)
Electrical Trades/Integrated Cabling	Medical Skills and Related Health Careers
Health and Fitness Technology (Tech Prep)	Practical Nursing (LPN)
Information Technology Careers	Welding
• A+ Certification	
• Computer Science (Tech Prep)	
• Computer Service Repair	

MATES

Marine Academy of Technology and Environmental Science (MATES)	Marine Science
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Waretown Center

Automotive Technology (Tech Prep)
Cosmetology* (Tech Prep)
Homeland Security (Tech Prep)**
Law and Public Safety (Tech Prep)**
Plumbing

*Off-site campus located at Pinelands Regional High School

**Off-site campus located at Ocean County Fire and First Aid Training Center, Waretown

OCVTS PROGRAM DESCRIPTIONS

SERVICE OCCUPATIONS

Child Care Professions (Tech Prep)

2 years/900 hours

Brick

This Tech Prep program teaches skills in caring for young children, infant through pre-school age, in preparation for positions as teacher assistants in child care centers. Students perform health, safety, food service, and housekeeping activities; plan and guide a developmentally appropriate curriculum; supervise daily routines of young children; and create instructional games and visual aids. Experience supervising and guiding pre-schoolers, ages 3-5, in a nursery school environment emphasizes teaching techniques and positive behavior guidelines. Program graduates are eligible for the Child Development Associate (CDA), a nationally recognized credential equivalent to group teacher certification. Graduates may continue their education in the early childhood field through college courses leading to New Jersey teacher certification. A Tech Prep agreement with Ocean County College enables qualified students to receive three college credits.

Cosmetology (Tech Prep)

2 years/1000 hours

Brick/Jackson/Toms River/Pinelands

This Tech Prep program teaches skills and the knowledge necessary to pass the New Jersey State Board of Cosmetology licensing exam. The skills taught relate to the major areas of instruction including hair services, skin and nail services, business management, and barbering. In school clinical experiences provide hands-on training. High school and adult applicants will be required to pass a written examination for admission. Good attendance is critical for completion of hourly requirements to sit for licensing exam. Adults may attend cosmetology programs full-time between 2-7 PM daily or in the evening (Mon, Tues, Thurs). See full-time adult programs for description. A Tech Prep agreement with Ocean County College enables students to receive up to 12 college credits towards a small business management certificate upon successful completion of the New Jersey State Cosmetology Board.

Culinary Arts (Tech Prep)

2 years/900 hours

Brick

This Tech Prep program provides students with experience in the preparation, service, and management tasks involved in the food service industry. Areas of concentration include safety, sanitation, food preparation, advanced food preparation, commercial baking, advanced baking, dining room service, and management. Students will also gain practical experience by operating a dining and banquet facility. Tech Prep agreements with the Academy of Culinary Arts at Atlantic Cape Community College, Johnson & Wales University, and Brookdale Community College have been established to give our culinary graduates an opportunity to earn advanced college credits while enrolled in this program.

Fashion Merchandising/Design (Tech Prep)

2 years/900 hours

Brick

Students will develop skills in the fields of retail sales, and fashion design. Fashion terminology, trends, research, buying, advertising, textile science, and fashion illustration will be taught through hands-on experiences and job shadowing activities. Second year students have the opportunity to participate in an on-the-job work study experience. Students have an opportunity to earn college credits through a Tech Prep agreement with Brookdale Community College in Merchandising and Burlington County College in Design.

Homeland Security (Tech Prep)

2 years/900 hours AM only

Waretown

Homeland security has become one of the most important topics facing our nation today. In this course the student will learn the basics of homeland security such as: national strategies and principles; federal, state, and local roles; the history of terrorism; cyber-terrorism; protection of our nation's infrastructure; weapons of mass destruction; and key policy issues. High school applicants will be required to pass a written examination for admission. Homeland Security is an off-shoot of our Law and Public Safety program. The course will expose students to further education and career opportunities in the Law Enforcement field, with an emphasis on Homeland Security. Recommended skills: Strong math and science skills, a strong background in social studies, and a 10th grade reading level are recommended.

OCVTS PROGRAM DESCRIPTIONS

Law and Public Safety (Tech Prep)

2 years/900 hours

Waretown

This Tech Prep program explores the role of law and public safety in the United States and career opportunities in various law enforcement agencies. The functions and day-to-day activities of law and public safety professionals from local, county, state and federal agencies will be examined. Writing and language skills as they apply to analytical report writing and recording of evidence are stressed. A strong background in Social Studies and a 10th grade reading level are recommended. Successful completion of this two year program will provide 15 high school credits and up to 12 college credits through an agreement with Ocean County College. Students are also eligible for First Responder certification.

OCVTS PROGRAM DESCRIPTIONS

MARINE/ENVIRONMENTAL

Marine Science I

1 year/450 hours

Manahawkin

The program will emphasize marine biology, oceanography, and coastal ecology. Additional units in maritime careers and navigation will be conducted. This is a hands-on intensive course. Various field and vessel trips will be conducted, including Barnegat Bay, Cattus Island, and NJ State Parks. Students must have completed Biology and Algebra I for admissions.

Marine Science II

1 year/450 hours

Manahawkin

The second year of the Marine Science program builds on what was learned in Marine Science I. The second year course is an environmentally based program. Topics covered include marine ecosystems, ecology (ocean and land), microbiology, Pinelands ecology, and government regulations. The environmentally based program utilizes a hands-on approach. Students will attend various field and vessel trips including New Jersey State Parks, Ocean County Park, and Barnegat Bay. Students will conduct research projects and can be qualify for internship in laboratories, field work, environmental agencies, pollution control or industry. Students must have completed Chemistry and must have completed or must be concurrently taking Algebra II.

Marine Trades

2 years/900 hours

Toms River

Navigation, marine electronics, boat handling, and boat safety have been added to this long running program. Students will develop skills in marine engine and fiberglass repair, marine electrical systems, and boat and trailer rigging. Curriculum includes preparation for the US Coast Guard Captain's licensing program. The program is based at our Toms River Center and uses our waterfront facilities where students operate and maintain vessels.

Agricultural and Environmental Sciences

2 years/900 hours

Jackson

This program will prepare students to enter the growing and profitable fields of agribusiness and environmental concerns. It combines knowledge of the ecology of living systems with the study of environmentally safe practices in the areas of landscape design and construction, turf management, aquatic gardening, irrigation, natural resource management, and integrated pest management. Students will have access to cutting edge technology, field work, and research practices through a partnership established with Rutgers Center for Turf Grass Science. Students will utilize the OCVTS greenhouse and land laboratory for their practical applications. Students will benefit from partnerships with local industry, participate in site internships, and attend professional seminars, conferences, and industry trade shows. Extensive use of computer technology will be emphasized, along with an introduction to GPS/GIS technology. Active participation in FFA, the national student organization that is dedicated to making a positive difference in the lives of students by developing their potential for leadership, personal growth, and career success through agricultural education, is encouraged.

OCVTS PROGRAM DESCRIPTIONS

CONSTRUCTION TRADES

Building Construction Technology

2 years/900 hours

Brick

This program teaches theory and application of techniques used in the building trades. The program will include the following: skills in framing, roofing, sheathing, siding, door and window installation, drywall installation, trim work and concrete block construction. Students who complete the program are qualified for employment or may become apprentices through Carpenter's Local 2018.

Custom Cabinetmaking

2 years/900 hours

Jackson

This program develops skills in the operation of a variety of woodworking machines and hand tools. Students learn construction and fabrication of kitchen cabinetry, bathroom vanities, custom furniture, moldings, and all types of custom designed wood decoration.

Electrical Trades

2 years/900 hours

Jackson

This program emphasizes the fundamental theory and application of electrical circuits, measuring instruments, transformers, electric motors, and various types of switching devices for power, lighting, and security. The program covers skills in commercial and residential wiring and industrial motor control. Cooperative Industrial Education opportunities and transition assistance into apprenticeship and work placement are integral to this program. Upon successful completion of this two year program students will receive advance standing in the OCVTS Adult Education Division apprenticeship program.

Electrical Trades/Integrated Cabling Technology

2 years/900 hours

Toms River

The scope of this course deals with residential and light commercial electrical wiring, as well as voice, data, and video cabling. The fundamental theory and application of circuits, test equipment, transformers, motors, and various types of control devices for power, lighting, and security are emphasized. Load calculations for residences and small commercial buildings will be taught. Code requirements and installation methods for various types of cables, conduits (both flexible and non-flexible), and service equipment will be addressed. A basic introduction to the National Electrical Code, as applied to residential and light commercial wiring, will also be part of the program. Electrical theory, up to and including motors, transformers, and generators has been added to the program. Voice, data, and video cabling skills, as well as basic telecommunications theory, will be explored. Fiber optic theory, termination, and testing is also included. The proper use of tools and safe industry work practices are stressed. Certificates will be presented to students who pass appropriate exams for copper and fiber cabling. Cooperative Industrial Education opportunities and transition assistance into apprenticeship training and work placement are integral to this program. Upon successful completion of this two year program students will receive advance standing in the OCVTS Adult Education Division apprenticeship program.

Heating, Ventilation, Air Conditioning and Refrigeration (HVAC-R)

2 years/900 hours

Brick

Students will learn basic concepts necessary to install, repair, and maintain heating, air conditioning, and commercial refrigeration equipment. Basic theory and operation of mechanical components and electrical controls will also be covered. The Environmental Protection Agency Refrigerant Certification Exam is given upon completion of the program. Upon successful completion of this two year program students will receive advance standing in the OCVTS Adult Education Division apprenticeship program.

Plumbing

2 years/900 hours

Waretown

The scope of this course deals with job safety, plumbing materials and tools, fundamental math and calculations for plumbers, blueprint reading, building plumbing systems and joining, installing and supporting pipe. Upon successful completion of this two year program students will receive advanced standing in the OCVTS Adult Education apprenticeship program.

OCVTS PROGRAM DESCRIPTIONS

Welding

2 years/900 hours

Toms River

The welding program provides students with hands-on instruction in a variety of welding and metal fabrication processes. Students learn techniques in shielded metal arc, gas metal arc, gas tungsten arc, and flux cored arc welding. Welding related cutting processes covered include oxy-fuel gas and plasma arc cutting. Upon completion students are prepared for careers in construction, fabrication, and repair of industrial and transportation equipment including cars, ships, pleasure crafts, and aircraft. They are also qualified for employment in the area of structural welding including the fabrication of bridges, steel structures, pipelines, and boilers. Area industries provide students with work-based welding experience. Students are encouraged to become members of the American Welding Society (AWS) and successful graduates may receive AWS Certification.

HEALTH TECHNOLOGIES

Dental Assisting

1 year/450 hours

Toms River

This program teaches four-handed dentistry and lab skills, prevention techniques, operative treatment, and specialty areas. A clinical experience in a dental office is a required part of the program. Students must provide transportation to the clinical site. The course provides preparation for students interested in dental careers such as dental hygienist, lab technician, x-ray technician, and dentist, as well as for those interested in immediate employment as a dental assistant. Additional certification allows students to become certified or registered assistants licensed to perform oral procedures under the supervision of a dentist. Word processing skills are strongly recommended. High school seniors are given priority for admissions to this course.

Health and Fitness Technology (Tech Prep)

2 years/900 hours

Toms River

This course introduces students to the fields of fitness, personal training, nutrition, and physical rehabilitative therapy through preparation as an entry level personal trainer, fitness technician, or group fitness instructor. Course outline includes basics in human anatomy, exercise physiology, and kinesiology, as well as exercise program design and nutrition. Wellness/fitness workers and physical therapy aides are skilled workers employed in fitness centers, corporate wellness programs, hospitals, sports medicine clinics, and rehabilitation centers. A clinical experience is offered in the second year, where students may work in fitness, wellness, and rehabilitative settings.

Medical Assistant (Tech Prep)

2 years/900 hours

Toms River

This program emphasizes physician assisting skills. It is divided into two years, an administrative year and a clinical year. A student may begin the program at the beginning of either year. The curriculum covers medical terminology and abbreviations, medical law and ethics, insurance billing and coding, medical history taking, computerized scheduling, in-depth computerized software (Medisoft), infection control, vital signs, electrocardiograms, laboratory procedures including urinalysis, Strep tests, capillary sticks and venipuncture techniques. Students will learn to assist the physician with special procedures and minor surgery. Proper communications skills and professionalism will be emphasized. Upon completion of the two year program, students may receive up to 7 college credits at Ocean County College (OCC) in the Allied Health Programs. Students may pursue their certification as a medical assistant or continue studies for radiology technician, licensed practical or registered nurse, health information technologist, billing and coding specialist, and many other healthcare careers.

Medical Skills and Related Health Careers

2 years/900 hours

Toms River

The first year provides an exploration of several health career options. The curriculum covers anatomy and physiology, medical terminology, and key concepts in health care such as professionalism and ethics. Basic patient care skills such as body mechanics, bed making, transferring patients, and personal care including feeding, bathing, and oral care, are covered. A clinical experience is provided at a long-term care facility. The

OCVTS PROGRAM DESCRIPTIONS

second year is geared toward preparing the student to become a Certified Nurse Assistant. The curriculum and clinical experiences are mandated by the State Department of Health and Senior Services. Upon successful completion of the 900 hour program the student may take the two part state exam to earn their certification as a Nurse Aide and may qualify for a work-study program offered through OCVTS. The Certified Nurse Aide curriculum is a good foundation to help prepare students for a career path in Nursing. Other components of the class include membership in HOSA (Health Occupations Students of America), a student organization emphasizing professionalism and leadership skills for students who are pursuing a health career.

TRANSPORTATION TECHNOLOGIES

Automotive and Diesel Engine Technology

2 years/900 hours

Jackson

This program explores the fundamentals of engine technology with a complete machining curriculum for both gas and diesel engines. Cylinder boring, complete cylinder head rebuilding, and repair comprise the machining technology elements of the curriculum. Students also study in-vehicle repairs covering complete engine repairs, brakes, steering, and suspensions, as well as alternative fuel systems.

Automotive Technology (Tech Prep)

2 years/900 hours

Brick/Jackson/Waretown

The student will be introduced to major concepts and theories of automotive maintenance, service, and repairs on modern automobiles. This program is also evaluated by NATEF and certified by The National Institute for ASE. The following subjects are ASE approved: engine repair, engine performance, electrical/electronic systems, brakes, suspension, and steering. Upon completion students are prepared to take ASE certification tests. This course will prepare students for the second stage of a 2+2 Tech Prep program in conjunction with Brookdale Community College and the Chrysler Apprenticeship Program.

Aviation Aerospace Technology (Tech Prep)

2 years/900 hours

Navy Lakehurst

This two year program explores a multitude of areas related to aviation and the aerospace industry. It is strongly recommended for the student with an avid interest in aviation and aerospace technology who wishes to continue his or her education after high school. Highly motivated activities relating to aircraft design and construction, as well as related field trips and private pilot preparation, are integral to this program. Elements of the Federal Aviation Administration (FAA) certified curriculum will be used to present concepts of weight and balance and physics. Students will be exposed to all aircraft systems, control tower operations, and ground operations. Several opportunities to gain flight experience through the Mercer County Community College aviation program are made available to the students. Upon successful completion of this course, students will be awarded six credits towards Mercer County Community College Flight Tech Program. Students may continue their education at Mercer County Community College or four year institutions such as Embry Riddle Aeronautical University or Florida Institute of Technology.

Collision Repair

2 years/900 hours

Jackson

This NATEF/ASE certified program provides students with the skills and knowledge required by the Collision Repair Industry. Using the Inter-Industry Conference on Auto Collision Repair (I-CAR) curriculum, students learn body repair, refinishing, and M.I.G. welding techniques. Advanced students learn computerized estimating and frame and unibody alignment procedures using laser measuring technology. Students are provided with transition services to move into advanced education or apprenticeship programs upon graduation.

Motorsports Technology

2 years/900 hours

Jackson

This course teaches skills needed for small engine maintenance and repair, two and four cycle theory, motorcycle maintenance and repair, engine repair, diagnostic testing and rebuilding, drive train maintenance and repair, fabricating, and gas and electric welding.

OCVTS PROGRAM DESCRIPTIONS

APPLIED AND PERFORMING ARTS

Audio for Electronic Media (Tech Prep)

2 years/900 hours

Navy Lakehurst

This program combines both art and science in a field that requires specialized technical knowledge. Students will be guided through the process of capturing sound (audio) and storing it in both the digital and analog mediums for reproduction. Students will learn recording technology through classroom instruction and application of these techniques using professional recording equipment at the school's multiple studio recording facility. The program will be taught by professionals from the recording industry through real recording sessions with artists from many musical genres including commercials and voice over production. Curriculum content will cover the following: multimedia production, physics of sound, acoustics, multi-track recording/digital audio technology, Musical Instrument Digital Interface (MIDI) and musical instrument technology, design and application of microphones, computer digital editing and mastering, the audio production console, signal processors, audio for visual production and post production, the music business and sound reinforcement (concert sound). A strong foundation in math and science, as well as a pre-admission interview with instructors, is recommended for candidates pursuing enrollment. A Tech Prep agreement with Ocean County College enables students to obtain nine college credits for successful completion of the curriculum.

Graphic Design Technology (Tech Prep)

2 years/900 hours

Brick

The GDT program emphasizes preparation for both employment and continuing education at a post secondary institution, and is a Tech Prep program. Post secondary students have the option to attend full-time, two sessions per day, for an intensive completion of the program in a single year. Students select from twelve ten-week courses consisting of traditional and digital skills required in various visual art and communication careers.

Art Courses cover the creation of computerized art for print production, video, and electronic media. Includes: Art for Reproduction, Electronic Art and Design, Introduction to Digital Video, and Animation and Web Design.

Photography Courses cover the techniques of traditional and digital photography in advertising, portraiture, and fine art. Includes: Digital Photography, Desktop Publishing, Wet Lab Photography, and Studio Lighting.

Printing Courses emphasize the use of current technologies in printing and graphic reproduction. Includes: Graphic Techniques, Press Operation, Screen Printing, and Production Graphics.

OCVTS PROGRAM DESCRIPTIONS

COMPUTERS/DESIGN

Architectural/Engineering Design (Tech Prep)

2 years/900 hours

Brick

This course is for high school and post secondary students interested in architectural and related civil engineering careers. Skills for drafting and designing architectural, civil engineering and mechanical systems are emphasized. Design of residential structure is stressed in the first year. The second year concentrates on commercial design and civil engineering. Computer aided drafting and design is extensively utilized. The program is certified by the American Design Drafting Association. A Tech Prep agreement is in place with Mercer County College, enabling students to receive 6 college credits obtained through a challenge exam. An agreement with Ocean County College awards 5 credits based on successful completion of the OCVTS curriculum.

A+ Certification

1 year/450 hours

Toms River

This course prepares students for the A+ Certification Exam in computer repair technology. The increased demand for qualified PC technicians has made A+ Certification a must for improved job opportunities and advancement in the world of PC repair and maintenance. A general foundation in electronics and/or computers is strongly recommended.

Computer Service Repair

1 year/450 hours

Toms River

This program is a survey course designed to prepare students with a diversified computer background. The goal is to supply the necessary information needed to prepare students for the A+/ Net+ Certification or other related technology courses. The student will learn the theory of operation, assembly, and troubleshooting of the IBM PC clone. In addition, the course will include an introduction to computer LANs and networking. The course targets entry level skills leading to a career in the computer service market. Robotics studies are also included through the use of a student computer build kit.

Computer Science (Tech Prep)

2 years/900 hours

Toms River

This course provides students with opportunities for advanced studies in information technology. The program is open to students who plan on pursuing college degrees in preparation for careers as system engineers, computer programmers, information technology managers, or other technology related specialties. Topics covered in the course include: introduction to information systems and computer applications, introduction to problem solving and program design, Internet organization and applications, object oriented design and programming using Visual BASIC, and Java, and web site design and development using HTML, JavaScript, and PHP. The course may include internships with area businesses. Multimedia applications, high speed Internet access, and state-of-the-art equipment and technology are available to students. High school students are eligible to receive 12 college credits through a Tech Prep agreement with Ocean County College. Prerequisites include familiarity with desktop computers, standard desktop applications like Word and Excel, and the Internet.

OCVTS PROGRAM DESCRIPTIONS

CAREER ACADEMIES

A career academy is an integrated approach to learning which lets students develop a career plan and educational pathway which focuses on a specific career major. Students receive a rigorous four-year college preparatory academic program which fulfills all requirements for high school graduation and admission to competitive colleges and universities. The curriculum is driven by New Jersey Core Curriculum Content Standards. It provides learning opportunities at affiliated colleges as well as opportunities for externships and mentorships with local companies, business and industry. Students are selected from applications through a competitive process and enter at the ninth grade level. Applicants must reside in Ocean County to be eligible for admission. All school districts in Ocean County are eligible to participate by sending applications to the programs.

Performing Arts Academy Theater, Dance and Voice

Full-Time

Navy Lakehurst

This full-time school is geared toward students who wish to excel in the Performing Arts. This specialized high school program was developed specifically for the young artist-in-training. The school offers intense studies in theater, dance, and voice. Courses include concentration in technical theater, acting techniques, directing, ballet technique, modern technique, jazz technique, choreography, music theory, vocal health, song preparation, and arts history (music, dance, theater), along with all of the academic requirements for a high school diploma. The students will be encouraged to continue their education in the arts after graduation, but will also be given the tools and resources to audition for professional companies. Students interested in a competitive and challenging environment must complete the necessary application process, which includes an entrance exam and audition (applicants will be contacted with specific information regarding the exam and audition). Students interested in this high school should contact their middle school guidance counselor for further application information, as well as prepare to attend an information session.

Marine Academy of Technology and Environmental Science (MATES)

Full-Time

Manahawkin

MATES is a specialized high school developed around the marine and environmental science theme. MATES is geared toward students who wish to concentrate their studies in the areas of math and science. A rigorous academic course of study instructed at the honors level satisfies all of the state requirements necessary for high school graduation and beyond. Students that are eligible may also take college level courses. The opportunity for participation in externships in laboratories, field work, and industry will be made available to students during their junior and senior years. Upon graduation, MATES students will be prepared to apply to competitive college and university programs. Students interested in a competitive and challenging environment must complete the necessary application process, which includes an entrance exam (applicants will be contacted with specific information regarding the exam). Students interested in this high school should contact their middle school guidance counselor for further application information, as well as prepare to attend an information session.

OCVTS PROGRAM DESCRIPTIONS

FOR HIGH SCHOOL GRADUATES

Post-secondary programs offer students several flexible options for those interested in career advancement, certification, or a new career direction. Daytime, twilight, or evening hours may be available. This can be an economical alternative to college and a shorter route to full-time employment.

Audio for Electronic Media (Tech Prep)

2 years/900 hours

This program combines both art and science in a field that requires specialized technical knowledge. Students will be guided through the process of capturing sound (audio) and storing it in both the digital and analog mediums for reproduction. Students will learn recording technology through classroom instruction and application of these techniques using professional recording equipment at the school's multiple studio recording facility. The program will be taught by professionals from the recording industry through real recording sessions with artists from many musical genres including commercials and voice over production. Curriculum content will cover the following: multimedia production, physics of sound, acoustics, multi-track recording/digital audio technology, Musical Instrument Digital Interface (MIDI) and musical instrument technology, design and application of audio for visual production and post production, the music business, and sound reinforcement (concert sound). A strong foundation in math and science is recommended. An interview with instructors for candidates pursuing enrollment is also advised. A Tech Prep agreement with Ocean County College enables students to obtain nine college credits for successful completion of the curriculum.

Cosmetology (Tech Prep)

10 months, 5 days a week, 2-7PM

Brick

or 20 months, Mon., Tues., Thurs. 5:00PM-9:30PM

Toms River

This program teaches skills and the knowledge necessary to pass the New Jersey State Board of Cosmetology licensing exam. The skills taught relate to the major areas of instruction including hair services, skin and nail services, business management, and barbering. In school clinical experiences provide hands-on training. A high school diploma or General Equivalency Diploma (GED) is required and applicants will be required to pass a written examination for admission. Good attendance is critical in order to complete the of hourly requirements for the licensing exam. A Tech Prep agreement with Ocean County College enables students to receive up to 12 college credits towards a small business management certificate upon successful completion of the New Jersey State Cosmetology Board exam.

Culinary Arts (Tech Prep)

1 year/900 hours

Navy Lakehurst

This program provides students with experience in the preparation, service, and management tasks involved in the food service industry. Areas of concentration include safety, sanitation, food preparation, commercial baking, advanced baking, table skills, and dining room management. Students will gain practical experience by operating a dining and banquet facility at Lakehurst Naval Air Engineering Station (NAES). Tech Prep agreements with the Academy of Culinary Arts of Atlantic Cape Community College, Johnson & Wales University, and Brookdale Community College have been established to give our culinary graduates an opportunity to earn advanced college credit while enrolled in this program. A placement test is required for all applicants entering this challenging program. Personal transportation is required.

Practical Nursing(LPN)

44 weeks

Toms River

This program consists of lecture and clinical experiences to educate students to care for acute, sub-acute, chronically ill, and convalescent patients. It is regulated by the State Board of Nursing and prepares students for the state licensing examination. Classroom theory and clinical experience are equitable in the number of hours required in the course. Students who successfully complete the program and pass the state licensing examination can find employment in hospitals, nursing homes, industry, clinics, private homes, and public and federal health agencies. Curriculum includes the study of anatomy and physiology, nutrition and diet therapy, pharmacology, medical/surgical nursing, geriatrics, maternity, pediatrics, psychiatric nursing, interpersonal relationships in nursing, maintaining records, and independent study.

OCVTS PROGRAM DESCRIPTIONS

TECH PREP

Tech Prep is short for "Technical Preparation." It is a nationally recognized program which focuses on providing a meaningful education and career preparation for a large number of high school students whose immediate educational goals following high school include an associate degree at a community college or post secondary institution.

The Ocean County Vocational Technical School has embraced the Tech Prep philosophy, expanding it to include both full and part-time programs. Agreements are in place with more than ten institutions allowing students the opportunity to earn college credits. This gives students a jump start on a college education and prevents the duplication of course work at the college level. The following programs offer Tech Prep opportunities:

- Architectural/Engineering Design
- Automotive Technology
- Audio for Electronic Media
- Aviation Aerospace Technology
- Child Care Professions
- Computer Science
- Cosmetology
- Culinary Arts
- Fashion Merchandising/Design
- Graphic Design Technology
- Health and Fitness Technology
- Law and Public Safety
- Marine Science
- Medical Assistant

SPECIAL SERVICES

Employment Orientation

The Ocean County Vocational Technical School provides excellence in training for special needs children in Ocean County. (The term "special needs" refers to those students that have been classified by a Child Study Team at their home school.) We provide hands-on learning through skills training, job shadowing/internships, Cooperative Education and vocational exploration.

Classified students may apply for vocational technical training in the special needs program once they have entered eighth grade. All applications are made through the home school's Child Study Team or Guidance Department. Special needs students are eligible to participate in the Employment Orientation Program during grades 9-12.

Vocational Assessment Purpose

The Evaluation Unit is a work-oriented environment designed to help students in grades 8-12 make a sound vocational selection by exploring the world of work relative to definite vocational areas, determining general areas of vocational interest and aptitudes, and identifying an appropriate vocational program for the student in the least restrictive environment.

Application Procedure

All applications for vocational evaluation are made to the Office of Special Services. The student must be classified. The proper application form is completed by the parent/guardian and the designated person at the home school and is forwarded to the Office of Special Services with all necessary data.

Students Served

Upon completion of the Vocational Assessment Program, a special needs student may be recommended for the Employment Orientation Program. Classified students often have disabilities that prevent them from succeeding in mainstream vocational programs; the Employment Orientation Programs offers a variety of trade areas designed for the success of the special needs students.

This program is recognized by the NJ Department of Education.

Mainstreaming

Students in the Employment Orientation Program who exhibit strong interests and competencies in a specific vocational area may be placed in a regular vocational program. The mainstreaming of special needs students from the Employment Orientation Program follows a carefully planned sequence to ensure that the student is appropriately placed. Once a student placement has been made, continual follow-ups are conducted to ensure that the student is progressing satisfactorily.

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The Lacey Township School District does not discriminate on the basis of race, color, creed, religion, gender, ancestry, national origin, social/economic status, or handicap in its educational programs, activities, and employment status.