

A photograph of Manasquan High School, a large brick building with a prominent white steeple topped with a green dome and a weather vane. The building features a central entrance with a white portico and a clock tower in the gable. The sky is clear blue. A dark blue horizontal band is overlaid across the top of the image, containing the school's name in white text.

MANASQUAN HIGH SCHOOL

**Course Offering Program
2021-2022**



Mission Statement

The Manasquan School District empowers all students by providing a safe, healthy, and inclusive environment where continual growth, perseverance, and rigorous academic standards are balanced with extensive extra-curricular opportunities and rich tradition through partnership with the community.

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The Manasquan Board of Education ensures equal educational opportunities regardless of race, color, creed, religion, sex, ancestry, national origin, handicap or social economic status.

Mr. Donald Bramley, Affirmative Action Officer



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For additional information about any of Manasquan High School's courses and programs, please see your school counselor. All courses are subject to change based on enrollment.

Home of the Warriors!



SCHOOL COUNSELING SERVICES

The programs that individuals pursue in high school should reflect their aspirations, aptitudes, and achievements. Because individuals differ, programs too, must differ. Since post-high school requirements for employment, college or vocational technical training are constantly changing, students must frequently reevaluate themselves in terms of their immediate and long-range goals.

Parents/guardians are expected to assist the student in the development of a curriculum plan. They should monitor the student's performance and progress. School counselors are resources for both students and adults in the development and monitoring of educational programs. School counselors conduct individual conferences and group lessons to help students with educational planning.

Counselor Assignments

Ms. Lauren Saliski (732) 528-8820 Ext. 1016 lsaliski@manasquanboe.org	9th Grade A-Z
Mrs. Lauren Duggan (732) 528-8820 Ext. 1015 lduggan@manasquanboe.org	Grade 10-12 A-G
Mrs. Alicia Narucki (732) 528-8820 Ext. 1013 anarucki@manasquanboe.org	Grade 10-12 H-N
Mr. Erich Hoffman (732) 528-8820 Ext. 1014 ehoffman@manasquanboe.org	Grade 10-12 O-Z
Ms. Leigh Busco 732 528-8820 Ext. 1048 lbusco@manasquanboe.org	Student Assistance Counselor
Ms. Liz Rudder 732-528-8820 Ext. 1047 erudder@manasquanboe.org	Social Worker
Mrs. Lesley Kenney, Director of School Counseling Services, K-12 732-528-8820 x 1010 LKenney@manasquan.k12.nj.us	

Graduation Requirements

In order for a student to graduate and receive a high school diploma from Manasquan High School, each student must earn a minimum of 150 credits by successful completion of the prescribed courses listed in the chart and as outlined in the course descriptions and as dictated by the State of New Jersey Department of Education. In addition, students must meet graduation assessment requirements, as outlined on pages 3-5 by the State of New Jersey Department of Education.

Content Area	Credits and additional requirements
English Language Arts	20 credits
Mathematics	<p style="text-align: center;">15 credits including:</p> <ul style="list-style-type: none"> • Algebra I or the content equivalent² • Geometry or the content equivalent² • Third year of math that builds on the concepts and skills of algebra and geometry and prepares students for college and 21st century careers
Science	<p style="text-align: center;">15 credits with at least 5 credits in each:</p> <ul style="list-style-type: none"> • Laboratory biology/life science or the content equivalent • Laboratory/inquiry-based science course (i.e., chemistry, environmental science, or physics) • Laboratory/inquiry-based science course
Social Studies	<p style="text-align: center;">15 credits including:</p> <ul style="list-style-type: none"> • 5 credits in world history • Integration of civics, economics, geography and global content in all course offerings • N.J.S.A. 18A:35-1 and 18A:35-2
Financial, Economic Business, and Entrepreneurial Business Literacy	2.5 credits
Health, Safety, and Physical Education	<p style="text-align: center;">15 credits over four years including:</p> <ul style="list-style-type: none"> • 3 ¼ credits in health, safety, and physical education during each year of enrollment, distributed as 150 minutes per week each year • N.J.S.A. 18A:35-5, 18A:35-7 and 18A:35-8
Visual and Performing Arts	5 credits
World Languages	5 credits
Technology	Integrated throughout all courses
21 st Century Life and Careers	5 credits
MANASQUAN Requirements	47.5 credits



New Jersey High School Graduation Assessment Requirements

On June 5, 2019, the New Jersey Department of Education (NJDOE) updated the high school graduation assessment requirements in both English Language Arts/Literacy (ELA) and mathematics for the Classes of 2019 through 2022, pursuant to an amended Consent Order from the Appellate Division of the Superior Court of New Jersey.

Important Update for Class of 2021: Governor Murphy signed [Executive Order 214](#) on January 11, 2021 to address the continued disruption caused by the COVID-19 pandemic. The Executive Order waives the statutory graduation assessment requirement pursuant to *N.J.S.A. 18A:7C-1 et seq.* for any twelfth-grade student who is expected to graduate in the Class of 2021 but has not met the graduation assessment requirement. As such, the portfolio appeals process is waived for the 2020-2021 school year. This mirrors the changes made for the Class of 2020. Therefore, students in the Class of 2021 who have not yet met the assessment requirement must still meet all the other State and local graduation requirements, including but not limited to credit, curriculum, and attendance requirements.

The Class of 2022

The high school assessment graduation requirements that are in place for the Class of 2022 are:

In **English Language Arts/Literacy**, students must demonstrate proficiency:

1. On NJSLA/PARCC ELA 10; **or**
2. By meeting the designated cut score on an alternative assessment such as other high school-level NJSLA/PARCC assessments, the SAT, ACT, or ACCUPLACER as defined in the chart below; **or**
3. By submitting, through the district, a student portfolio appeal to the New Jersey Department of Education.

In **mathematics**, students must demonstrate proficiency:

1. On NJSLA/PARCC Algebra I; **or**
2. By meeting the designated cut score on an alternative assessment such as other high school-level NJSLA/PARCC assessments, the SAT, ACT, or ACCUPLACER as defined in the chart below; **or**
3. By submitting, through the district, a student portfolio appeal to the New Jersey Department of Education.

Proficiency levels/cut scores for the Class of 2022 are specified in the next section.

ELA and Mathematics Assessment Graduation Requirements for the Class of 2022

This document reflects the high school graduation assessment requirements put in place for the Classes of 2019, 2020, 2021, and 2022, pursuant to an amended Consent Order received by the NJDOE from the Appellate Division of the Superior Court of New Jersey on June 5, 2019.

The requirements for the Class of 2019, including the cut scores, remain unchanged from the requirements that were applied to the Classes of 2017 and 2018. These requirements now apply to the Class of 2022.

Executive Order 117 and 214 waive the graduation assessment requirement for any twelfth-grade student in the Class of 2020 and/or who are expected to be in the Class of 2021. These students must meet all the other State and local graduation requirements, including but not limited to credit, curriculum, and attendance requirements.

Pathways Available

First Pathway

Demonstrate proficiency in the high school end-of-course NJSLA/PARCC assessments in ELA-10 and/or Algebra I.

English Language Arts/Literacy (ELA)	Mathematics
NJSLA/PARCC ELA Grade 10 \geq 750 (Level 4)	NJSLA/PARCC Algebra I \geq 750 (Level 4)

Second Pathway

Demonstrate proficiency in English language arts and/or mathematics by meeting the designated cut score on one of the alternative assessments.

English Language Arts/Literacy (ELA)	Mathematics
<p>One of the following:</p> <ul style="list-style-type: none"> • NJSLA/PARCC ELA Grade 9 \geq 750 (Level 4), <i>or</i> • NJSLA/PARCC ELA Grade 11 \geq 725 (Level 3) <i>or</i> • SAT Critical Reading (taken before 3/1/16) \geq 400, <i>or</i> • SAT Evidence-Based Reading and Writing Section (taken 3/1/16 or later) \geq 450, <i>or</i> • SAT Reading Test (taken 3/1/16 or later) \geq 22, <i>or</i> • ACT Reading or ACT PLAN Reading¹ \geq 16, <i>or</i> • ACCUPLACER WritePlacer \geq 6, <i>or</i> • ACCUPLACER WritePlacer ESL \geq 4, <i>or</i> • PSAT10 Reading or PSAT/NMSQT Reading (taken before 10/1/15) \geq 40, <i>or</i> • PSAT10 Reading or PSAT/NMSQT Reading (taken 10/1/15 or later) \geq 22, <i>or</i> • ACT Aspire Reading¹ \geq 422, <i>or</i> • ASVAB-AFQT Composite \geq 31 	<p>One of the following:</p> <ul style="list-style-type: none"> • NJSLA/PARCC Geometry \geq 725 (Level 3), <i>or</i> NJSLA/PARCC Algebra II \geq 725 (Level 3) <i>or</i> SAT Math (taken before 3/1/16) \geq 400, <i>or</i> • SAT Math Section (taken 3/1/16 or later) \geq 440, <i>or</i> SAT Math Test (taken 3/1/16 or later) \geq 22, <i>or</i> ACT or ACT PLAN Math¹ \geq 16, <i>or</i> • ACCUPLACER Elementary Algebra \geq 76, <i>or</i> • Next-Generation ACCUPLACER Quantitative Reasoning, Algebra, and Statistics (QAS) (beginning January 2019)² \geq 255, <i>or</i> • PSAT10 Math or PSAT/NMSQT Math (taken before 10/1/15) \geq 40, <i>or</i> • PSAT10 Math or PSAT/NMSQT Math (taken 10/1/15 or later) \geq 22, <i>or</i> • ACT Aspire Math¹ \geq 422, <i>or</i> • ASVAB-AFQT Composite \geq 31

Third Pathway

Demonstrate proficiency in English language arts and/or mathematics through Portfolio Appeals.

Important Update for Class of 2021: Governor Murphy signed [Executive Order 214](#) on January 11, 2021 to address the continued disruption caused by the COVID-19 pandemic. The Executive Order waives the statutory graduation assessment requirement pursuant to *N.J.S.A. 18A:7C-1 et seq.* for any twelfth-grade student who is expected to graduate in the Class of 2021 but has not met the graduation assessment requirement. As such, the portfolio appeals process is waived for the 2020-2021 school year. This mirrors the changes made for the Class of 2020. Therefore, students in the Class of 2021 who have not yet met the assessment requirement must still meet all the other State and local graduation requirements, including but not limited to credit, curriculum, and attendance requirements.

English Language Arts/Literacy (ELA)	Mathematics
Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

The Class of 2023 and Beyond

The NJDOE is committed to providing fair notice to students and educators and will continue to collaborate with stakeholders to transition to the next generation of statewide assessments.

For questions or concerns, please reach out to assessment@doe.nj.gov.

¹ Test is no longer administered but can be used for the graduating year.

² Beginning on **Monday, January 28, 2019**, classic ACCUPLACER tests were no longer available. QAS replaced ACCUPLACER Elementary Algebra.

General Information

College Requirements and Recommendations

While colleges vary widely in their admissions requirements, most colleges generally expect a student to have completed at least eighteen to twenty college preparatory courses (courses in English, Mathematics, Science, Social Studies and World Language) by graduation. A student who carries four or five college preparatory subjects a year during grades 9, 10, 11 and 12 will have fulfilled this requirement. In addition, most colleges require that the college preparatory courses be distributed in certain subject matter areas. Although many of the more competitive colleges may prefer a much stronger program than the suggested plan below, and a number of other colleges may require less than the following program, **in general**, a college-bound student should plan to study:

- 4 years of English
- 3 or 4 years of college prep Mathematics
- 3 or more years of a laboratory Science
- 2 or 3 years of one World Language
- 3 or more years of Social Studies
- A total of 18-20 college prep courses or equivalent

In addition, student athletes anticipating attending a Division I or II school, must meet the requirements the NCAA Clearinghouse. Please see your counselor if you are considering athletic participation in college.

Academic Requirements for Athletic Participation

The following outlines the credit requirements established by the New Jersey State Interscholastic Athletic Association (NJSIAA) for students to be eligible for athletic participation.

- To be eligible for athletic competition during the first semester (September 1 to January 31) a pupil must have passed 25% of the credits (30) required by the State of New Jersey for graduation (120), during the immediately preceding academic year.
- To be eligible for athletic competition during the second semester (February 1 to June 30), a pupil must have passed the equivalent of 12.5% of the credits (15) required by the State of New Jersey for graduation (120) at the close of the preceding semester (January 31). Full-year courses shall be equated as one-half of the total credits to be gained for the full year to determine credits passed during the immediately preceding semester.

More information about the NJSIAA requirements for athletic participation can be found in the NJSIAA Constitution, Bylaws, Rules & Regulations at <http://www.njsiaa.org/resources/njsiaa-handbook>

Participation in College Athletics

Students intending to participate in NCAA Division I or II college athletics as a freshman must be certified by the NCAA Eligibility Center. Certain academic criteria in high school must be achieved in order to be eligible to participate in college. For a list of Manasquan Schools approved courses, go to: www.eligibilitycenter.org and click on "College-Bound Student-Athletes / Resources / US Students / List of NCAA Courses" for specific requirements, application, and a list of approved Manasquan High School courses. The NCAA now requires all student athletes to register with the eligibility center prior to accepting offers of (official college visits).

Grade Level Promotion Requirements

In order for students to be promoted to the next grade level, they must have successfully completed a required amount of credits during the school year (September through August).

9th to 10th grade: 35 Credits

10th to 11th grade: 70 Credits

11th to 12th grade: 110 Credits

Class/Course Changes

See Student Handbook for the 2021-2022 School Year

Communication of Student Progress

All parents are encouraged to create an account to access the Genesis Student Database Management System online portal. Parents/guardians should regularly check student progress, attendance, missing assignments and grades. If parents/guardians have questions concerning the academic progress of their child, the parents/guardians should first contact the classroom teacher and then, if necessary, the appropriate department supervisor. For concerns about overall progress in high school, the parents/guardians should contact the counselor. Please note that only the final grade for each course appears on the student's permanent transcript.

Process for Resolving Incomplete Grades

1. A grade of Incomplete (I) will be given only when there is just cause, e.g., work missing due to absence or illness. Otherwise, students are expected to submit work on time. While it is permissible to accept work that is late, students are expected to complete all work prior to the end of the marking period.
2. Unless there are extenuating circumstances, students are expected to resolve incompletes no later than ten school days after the close of the marking period. Unresolved "I's" will be automatically turned into the earned grade after 10 days. If an extension is sought, a request must go through the subject supervisor.

Review for Credit / Summer School

Any student attending Manasquan High School who receives a 64 or below in a course taken during the regular school year receives zero credits towards graduation for that course. Students who need the course, or want to earn the credits lost by failing a course during the regular school year, may opt to:

- a. Repeat the course during a future regular school year
- b. Enroll in a summer school program approved by Manasquan High School

Information about summer school will be posted on the district website as it becomes available, or through the summer school office of another participating school district.

Credit may be earned in the summer for a maximum of two courses. A student must be enrolled for a minimum of 60 hours for a five-credit review course (a course originally failed). A grade will be recorded resulting in no adjustment to the student's GPA. The appropriate credits will be awarded to those who successfully complete the course work. The original failing grade will be maintained on the student's permanent record.

All Summer School courses must be completed prior to the first day of school for a student to advance into the next course. Failure to do so will result in the student repeating the course during the school year.

Honors and Advanced Placement Courses

Honors and Advanced Placement courses are offered in English, Social Studies, Mathematics, Science, Art, Psychology and World Languages. These courses are designed to provide students with an academic challenge beyond that which is provided in other courses. Differences are both qualitative and quantitative; that is, there is a greater amount of work required and the work is more difficult.

Honors/AP Students must be prepared to accept the academic challenges which go with these courses. Specifically, students applying to these courses should:

- have a high level of interest in the subject matter and be motivated to learn and participate
- have an academic ability strong enough to handle the subject matter
- have the background and academic preparation in classroom discussions
- have the background and academic preparation required to handle the course
- demonstrate the characteristics of maturity, self-discipline, persistence and independence

Honors and Advanced Placement courses carry additional weight when computing grade point averages and class rank, and the designation “honors” or “AP” is shown on the transcript.

All students enrolled in AP Courses will be required to take the AP Exam

Requirements for Admission into the Honors Curriculum

In order to qualify for an honors level course, students must have at least a 90 average in the previous non-honors curriculum. To stay in an honors track, students must maintain an 80 average within the Honors course.

Should a student not meet the requirement to enroll in an Honors or Advanced Placement class, he or she still has the opportunity to complete a waiver form for admittance into the class. To waive into an Honors or Advanced Placement course, the student and parent must complete the following steps:

1. Meet and discuss course requirements with their current teacher.
2. Meet with their Guidance Counselor to determine how this would impact the student’s 4-year academic program
3. Complete an Honors/AP Waiver Form. This form must be signed by the student, parent, Counselor, Department Supervisor and Principal.

Students are reminded that by waiving into a higher-level course, the requirements and expectations will be more rigorous. The time commitment required of these courses is substantial, and students must consider this when requesting a course waiver.

SPECIAL PROGRAMS AND ACADEMIES

ACADEMY OF HEALTH CAREERS

The Rutgers University Health Science Careers Program has a broad-based interdisciplinary curriculum. The Program offers a composite of college-level, general health care, communication, and science course work. Manasquan's Rutgers University Program provides students with the potential to earn college credits while being exposed to communication and problem-solving skills in the health science field. All college coursework offered by the program is afforded to the students on a tuition free basis. The overall purpose is to allow students to receive college credit and health care practitioner skills, while keeping multiple healthcare career options open to them. To participate in the Health Science Careers Program, and be eligible for college credit, students must complete the Dynamics of Healthcare in Society course and at least one other course. For the 2019-2020 school year, a \$25.00 fee is required for each Health Science Careers Program Exam taken at Rutgers University

ACADEMY OF ENGINEERING

The Academy of Engineering (AOE) is a Manasquan High School Academy in which students have the opportunity to take courses within the field of Engineering. It is a "hands-on" student-centered Academy designed to promote creative problem solving, critical thinking, and collaboration. Academy of Engineering students will take specialized elective courses, use the Innovation Lab for personal projects, participate in field trips, as well as apply for scholarships, internships, and job-shadowing positions with local engineering firms. Students are also challenged to apply their learning and improve their leadership skills through participation in a wide range of engineering-focused service-learning projects such as the state-wide, sustainability focused STEAM Tank Challenge. Manasquan High School is excited to partner with New Jersey Institute of Technology (NJIT) for a Dual College-Enrollment Option. Utilizing NJIT's *Options for Advanced Academic Achievement* program, Manasquan High School will provide an opportunity for qualified high school students to enroll in college level engineering courses and earn college-credits while on our high school campus.

In addition, this year, Manasquan students will have the opportunity to take classes in the Project Lead the Way Program (PLTW) See counselors for details.

ACADEMY OF PUBLIC SAFETY

The Academy of Public Safety is a program designed to introduce Manasquan High School students to the field of emergency services. Students interested can prepare themselves for careers in law enforcement, fire service or emergency medical technician. The curriculum is designed to challenge students with various law enforcement objectives including field experiences and hands on projects. Projects include, crime scene search, identifying fingerprints, motor vehicle crash investigation, arson investigations and many other analytical methods of investigations. Graduates can receive college credits in Criminal Justice and a Special Law Enforcement Officer Class 1 certification.

ACADEMY OF FINANCE

Manasquan High School (MHS) offers an exciting academic program with their nationally recognized Academy of Finance (AOF). The AOF is designed to prepare students with skills needed for the highly competitive business and financial services industry of the 21st Century. The main objective of the program is to prepare students for the demands of college and ultimately the work force. Classroom instruction is supplemented by guest speakers, job shadowing, internships and field trips. Additionally, AOF students can earn 12 college credits through Georgian Court University's (GCU) Course Ahead Program; three college credits for each of the upper level AOF classes – Accounting, Economics, Entrepreneurship, and Financial Planning. GCU's School of Business and Digital Media enjoys national accreditation from the Accreditation Council for Business Schools and Programs (ACBSP) for its undergraduate and graduate programs. These credits are accepted at most colleges and universities throughout the United States. Upon completion of the AOF program, students will receive a Certificate of Financial Studies.

ACADEMY OF VISUAL AND PERFORMING ARTS

The Academy for Visual and Performing Arts at Manasquan High School provides interested students with a focused curriculum and a career-based experience in the creative arts. Students can select courses in the field of art, dance, or music. By their junior year, after completing the foundation courses, Academy students will select an area of concentration within their chosen field. Showcasing student work and performances are an integral part of the program. All curriculum is aligned with the NJ Visual and Performing Arts Core Curriculum Content Standards and emphasizes interdisciplinary activities, cultural and historical relationships, career opportunities and college preparation in the arts. Students who elect not to enroll in the Academy may still take many of the courses listed.

DUAL ENROLLMENT THROUGH BROOKDALE COMMUNITY COLLEGE

Off Campus

(Seniors Only)

Brookdale Community College and Manasquan High School have established a Dual Enrollment Release Program. The Dual Enrollment Release Program is developed in response to the 12th Grade Option initiated by the New Jersey Department of Education. This program allows qualifying students in grade 12 to gain both Manasquan High School and Brookdale Community College credits. Please see school counselor for additional information.

Please Note: College Institutions can decide for themselves whether students can apply earned college credits toward the overall college graduation requirements, skip curriculum electives, or simply advance into upper-level courses. Students are expected to work with their school counselors and the individual colleges to determine the transferability of credits.

ENGLISH

Department Supervisor: Mr. Rick Coppola

ENGLISH I

Course Code 0212 (In-Class Resource Code 0214)

(9)

5 Credits

This course introduces students to a variety of literary genres through which they develop skills in critical reading and composition. Students explore unit and course level essential questions around the experiences, goals, and relationships between individuals and the society within which they live. Each unit of study requires students to investigate and synthesize ideas within core anchor texts and smaller readings from classic and modern works of fiction and non-fiction such as short stories, poems, editorials, speeches, and essays. Writing instruction emphasizes the writing process, inquiry and research skills, source evaluation and use of appropriate grammar, syntax and vocabulary. Students participate in literary analysis, narrative writing, and research simulation tasks. They also engage in effective collaboration and discussion, make presentations of research, interpretations, and arguments.

HONORS ENGLISH I

Course Code 0210

(9)

5 Credits

This course is a more rigorous version of English I designed to challenge the highly motivated student with advanced skills in critical reading and composition. Students are required to synthesize texts that are longer or more complex and produce compositions with more development and sophistication. This course provides an intensive study of literary forms, including rhetorical devices, methods of critical analysis, and various modes of composition. Vocabulary development and grammar study are important elements of the course, as is the acquisition of effective collaboration and oral discussion skills. Students must meet the established criteria to enter an honors course.

Prerequisite: Teacher Recommendation and 8th Grade Final Course Grade (≥ 90)

ENGLISH II

Course Code 0222 (In-Class Resource Code 0224)

(10)

5 Credits

This course enriches the language arts, inquiry, and synthesis skills developed in English I. Literature and language study continue to emphasize vocabulary acquisition, an understanding of grammar as an element of style, analytical, and critical thinking, and the explication and synthesis of authors' ideas in student writing. Students continue to develop their writing and discussion skills through the analysis and synthesis of literary works, poetry, informational text, documents, and speeches. The course explores both classic and contemporary literature incorporated into units of study designed around essential questions and college and career readiness skills.

HONORS ENGLISH II**Course Code 0221****(10)****5 Credits**

This course extends the high academic rigor of the English I Honors curriculum. Students continue an intensive study of literature, non-fiction and composition. They develop mastery of literary forms, rhetorical devices, methods of critical analysis, vocabulary skills, and further develop their writing. Collaboration skills and debate/presentation skills are also components of the curriculum. Students will continue to expand their knowledge of challenging classic and modern texts from a variety of genres, including poetry, the novel, the short story, non-fiction, and drama. Students will demonstrate increased proficiency with a variety of writing modes, web literacy, and the research/inquiry process. This course prepares students for English III Honors or a college level Advanced Placement Course – English Language and Composition. Students must meet the established criteria to enter an honors course.

***Recommended Prerequisite:* Honors English I (≥ 80) or English I (≥ 90), with a teacher recommendation**

ENGLISH III**Course Code 0232 (In-Class Resource Code 0234)****(11)****5 Credits**

This course continues the department's emphasis on critical reading, writing skills, and use of language as outlined in the Common Core Standards. Students develop their literary analysis skills, and oral and written communication skills while becoming more knowledgeable about literature and the various literary genres. While engaging in analysis of a variety of textual material, students also examine contemporary issues, present arguments supported by documented evidence, and propose ideas in writing and discussion. Practice for SATs, ACTs and college essay writing are also incorporated into the curriculum.

HONORS ENGLISH III**Course Code 0231****(11)****5 Credits**

This course is a more rigorous version of English III and challenges students to be active readers, and critical thinkers who can proficiently articulate well-developed ideas in written work and discussions. Students read a diverse selection of fiction, non-fiction, poetry, plays, speeches and documents which represent a variety of issues, perspectives, and cultures. Students reflect on reading assignments, make projections of literary outcomes, engage in analysis of texts and examine and respond to contemporary issues and trends. In focused discussions, students present ideas and questions based on information found in texts and develop, through careful analysis, their own opinions and ideas. Students who complete this course are well-prepared for English IV Honors or the college level Advanced Placement course – English Literature and Composition. Practice for SATs, ACTs and college essay writing are also incorporated into the curriculum. Students must meet the established criteria to enter an honors course.

***Recommended Prerequisite:* Honors English II (≥ 80) or English II (≥ 90), with a teacher recommendation**

ENGLISH IV**Course Code 0242 (In-Class Resource Code 0244)****(12)** **5 Credits**

This course presents challenging classic and contemporary literature and informational readings through which students must recognize and analyze universal themes, appreciate diverse cultures and perspectives and understand the human experience. They present their ideas during discussions, in writing, and through multimedia presentations. Students refine their ability to analyze text, synthesize ideas, and present their thoughts using text support and a well-developed writing style. Students become cognizant of their own composing processes: the way they explore ideas, reconsider strategies, revise their work, and write in informal as well as formal contexts and learn to take compositional risks. Practice for college admission tests and essay writing is infused into the curriculum.

HONORS ENGLISH IV**Course Code 0240****(12)** **5 Credits**

This course incorporates all the challenges of English IV with the integration of some of the higher-level reading and critical analysis expected of the Advanced Placement English Literature and Composition class. Writing informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content is emphasized. Students refine their ability to analyze text, synthesize ideas, present their thoughts using text support, and find their voice in a variety of writing modes during discussions and through multimedia presentations. The concentration on language use in this course enhances students' ability to use grammatical conventions with sophistication and to develop stylistic maturity in their prose. Practice for college admission tests and essay writing is infused in the curriculum. Students must meet the established criteria to enter an honors course.

***Recommended Prerequisite:* Honors English III (≥ 80) or English III (≥ 90), with a teacher recommendation**

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION**Course Code 0245****(11)** **5 Credits**

This course follows a curriculum approved by College Board. The successful completion of the course and a score of a 3 or better on the Advanced Placement Exam can earn a student college credit. This course trains students to become skilled readers of prose written in a variety of rhetorical contexts and to write for a variety of purposes. Students learn of the interactions between a writer's purpose, audience expectations and subjects as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Students engage in expository, analytical and argumentative writing as well as reflective and personal composition. They read primary and secondary sources carefully to synthesize material from these texts to support ideas and opinions they develop in writing and through discussions. This course enables students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students must meet the established criteria to enter an honors course.

***Recommended Prerequisite:* Honors English III (≥ 80) or English III (≥ 90), with a teacher recommendation**

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION**Course Code 0241****(12)****5 Credits**

This course follows a curriculum approved by College Board. The successful completion of the course and a score of a 3 or better on the Advanced Placement Exam can earn a student college credit. This course engages students in the careful reading and critical analysis of literature from various genres and periods concentrating on works of recognized merit. Through close reading of selected texts, students deepen their understanding of the ways writers use language to provide meaning. They consider a work's structure, style and themes as well as figurative language, imagery, symbolism and tone. Writing is an integral part of the program and focuses on critical analysis of the literature and includes expository, analytical and argumentative essays. Students develop the ability to write clearly and convincingly to express what they understand about literary works. Students must meet the established criteria to enter an honors course.

Recommended Prerequisite: AP English Language or Honors English III (≥ 80)

WRITING**Course Code 0267****(10,11,12)****2.5 Credits**

In this semester length course, emphasis is placed on improving expression and style in expository writing by studying and practicing the several types of writing. Opportunities for creative expression in original poetry, short stories and drama are offered with peer evaluation. Students who wish to enhance their writing skills are urged to select this course.

SCREENWRITING**Course Code 0265****(10,11,12)****2.5 Credits**

Screenwriting appeals to students who enjoy movies and writing. This class concentrates on the specific genre of screenwriting: writing for film and television. This course will be modeled after the U.C.L.A. School of Theater, Film and Television Screenwriting program. It will stress the theory and crafts of professional screenwriting. Students will learn concepts of story, structure and character. Students will read classic screenplays and analyze their films. Dialogue, style, and rules of writing and styles will become second nature. By the end of the course, students will draft, write and revise two short screenplays.

JOURNALISM/JOURNALISM WORKSHOP**Course Code 0272****(10,11,12)****5 Credits**

Journalism Workshop is an exciting elective class in which students learn to write all styles of newspaper stories, ranging from news and editorials to features and reviews. Students also experience the prowess of newspaper publication; as monthly issues of Manasquan High School's Blue & Gray are produced. Whether hatching ideas for interesting stories or reporting school events, the process includes decision making, interviewing, researching, writing, revising, and editing, as well as photography, page design, and computer layout. Students enrolled in the course must participate in this process and accept the responsibility of working both individually and as a team in order to manage multiple responsibilities, solve problems, and meet deadlines.

FILMS, FLICKS, AND MOVIES: INTRODUCTION TO CINEMA STUDIES**Course Code 0269****(11,12)****2.5 Credits**

This course is dedicated to the critical study of classic and award-winning films. Students interested in this course will learn how to “read” the visual language of film, which is essential to functioning in our current world where so much is communicated visually and even subliminally. Students will be introduced to classic cinema and the cultural, historical, and artistic significance of film. Films studied will include Academy Award winners and nominees from the 1930s to the present, classic genres, as well as significant films recognized by the American Film Institute. Students who love movies and have impeccable attendance (most films cannot be seen outside of class) should consider this interesting elective.

SOCIAL STUDIES

Supervisor: Mr. Robert Goodall

WORLD HISTORY

Course Code 0358 (In-Class Resource Code 0359)

(9) 5 Credits

World History includes a survey of the world's geographical, political and cultural regions, past and present. The course focuses on examining the continuing interrelationships connecting these regions. The course deals with The Emergence of the First Global Age, The Age of Revolution, A Half Century of Crisis and Achievement, 20th Century since 1945 and Challenges for the Modern World.

HONORS WORLD HISTORY

Course Code 0356

(9) 5 Credits

The World History Honors Course will be a rigorous in-depth survey of the world's Geographical Political and Cultural regions past and present. The course focuses on examining the continuing inter- relationships connecting these regions. The course deals with the Emergence of the First Global Age, The Age of Revolution, A Half Century of Crisis and Achievement, The 20th Century since 1945 and Challenges for the Modern World. Students will be expected to have a high level of interest in the subject matter, and a strong academic ability and background.

Prerequisite: Teacher Recommendation and 8th Grade Final Course Grade (≥ 90)

UNITED STATES HISTORY I

Course Code 0312 (In-Class Resource Code 0314)

(10) 5 Credits

United States History I is designed to furnish an understanding and appreciation of our country's early heritage. The study will examine the development of our country from the creation of our first government (socially, economically, and politically), to the Progressive Era of the early 1900's.

HONORS UNITED STATES HISTORY I

Course Code 0315

(10) 5 Credits

The American History I Honors program focuses its attention on a very rigorous in-depth college level approach to the subject matter beginning in the sophomore year with the early development of our country's heritage up to 1890. A college level text is used. An extensive writing background is needed for all student participants. Assignments are asked on both a daily and weekly basis, with much greater responsibility placed on the student than in the traditional American History program.

Recommended Prerequisite: Honors World History (≥ 80) or World History (≥ 90), with a teacher recommendation

UNITED STATES HISTORY II**Course Code 0322 (In-Class Resource Code 0324)****(11)****5 Credits**

United States History II continues the study of our nation from the 1900's to the present, tracing its political, economic, social and foreign affairs development. The contributions and events which made this country one of the most powerful in the history of mankind will be examined.

ADVANCED PLACEMENT UNITED STATES HISTORY**Course Code 0325****(11,12)****5 Credits**

The Advanced Placement American History program is open to students who have satisfactorily completed the United States History I course. The students will be required to do extensive oral and written reports, and will also be required to do a great deal of self-directed, independent study and outside reading. Special emphasis will be placed on preparation for the AP Exam which is administered each Spring. Students must take the AP exam in the spring. College credit is available through Georgian Court University. (This course satisfies the NJ state requirement for United States History II.)

Recommended Prerequisite: Honors United States History I (≥ 80) or United States History (≥ 90), with a teacher recommendation

ADVANCED PLACEMENT WORLD HISTORY**Course Code 0367****(11,12)****5 Credits**

Recommended for juniors and seniors, this course focuses on the emergence of China, India, Japan, Africa, Europe, and South/Central America from their early foundations to the present day. Cultural trends and historical patterns are examined in a college level approach. Extensive reading and writing assignments will be required. College credit is available through Georgian Court University.

PSYCHOLOGY**Course Code 0334****(10,11,12)****5 Credits**

The Psychology program explores an individual's emotional, cognitive and behavioral development. Further studies will address the general theories of personality, emotions, motivation, abnormal psychology, stress, consciousness and learning. Extensive reading, child observation projects and field research are required.

ADVANCED PLACEMENT PSYCHOLOGY**Course Code 0333****(10,11,12)****5 Credits**

The purpose of this Advanced Placement course in Psychology is to go beyond the traditional Psychology program and introduce students to the systematic and scientific study of the behavioral and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each major subfield within Psychology. They also learn about the methods psychologists use to explore the processes involved in normal and abnormal perceptions, thoughts, feelings and actions. The students will be required to do extensive oral and written research and will be required to do a great deal of self-directed, independent study and outside reading. Special emphasis will be placed on preparation for the AP exam which is administered in May. All students must take the AP exam in the Spring.

ADVANCED PLACEMENT HUMAN GEOGRAPHY**Course Code 0369****(9,10,11,12)****5 Credits**

The purpose of the AP Geography Course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use the alteration of the Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students will also learn about the methods and tools geographers employ in their science and practice.

ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS**Course Code 0330****(11,12)****5 Credits**

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments.

ECONOMICS**Course Code 0353****(10,11,12)****5 Credits**

Economics and the World of Finance is a semester length course in macro and microeconomics that provides an understanding of how our market economy functions in a global setting. It provides students with a survey of economic concepts, including all of the basic principles recommended by the National Council on Economic Education. In addition, a unit on capital markets acquaints students with the role that markets and securities play in the U. S. economy. Special coverage of International Finance is embedded in this program, as well as exploration of the international finance system, foreign exchange rates, foreign exchange markets, international financial markets, international banking and multinational corporations.

ADVANCED PLACEMENT MACROECONOMICS/ADVANCED PLACEMENT MICROECONOMICS**Course Code 0565****(10,11,12)****5 Credits**

AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. All students enrolled in the course must take the College Board AP Macroeconomics Exam.

AP Microeconomics provides an understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. Completion of this course will fulfill the state-mandated 2.5 credit graduation requirement in financial literacy. All students enrolled in the course must take the College Board AP Microeconomics Exam.

Prerequisite: Algebra I

THE HISTORY OF SPORTS IN AMERICA**Course Code 0375****(10,11,12)****5 Credits**

In this course we will explore the significance of sport in American history. As we read stories of races won, touchdowns scored, and players rounding the bases, we will look beyond the action on the field of competition and focus on these main themes: the impact of immigration, industrialization, and urbanization on the games Americans played; the class origins of sports like baseball, boxing, and football; sport and the conflict between labor and capital; racial prejudice, exclusion, and integration in sport; athleticism and the evolving ideas about masculinity and womanhood; the links



MATHEMATICS

Department Supervisor: Mr. Craig Murin

The Mathematics Department offers a wide range of courses for every level of ability. There are three sequences from which to choose: College Preparatory Sequence, Advanced College Preparatory Sequence, and the Honors College Preparatory Sequence. It is recommended that placement into any sequence take into consideration the ability of the student, his/her future goals, performance in previous math courses, and performance on standardized tests. Students who seek a rigorous program of study with exceptional math ability and who wish to study math in greater depth should consider taking Honors and Advanced Placement courses.

Courses taken for advancement purposes in an approved college program or in a state approved 120 hour program must have the prior approval of the, Department Supervisor and Director of School Counseling. Students must also show evidence of a grade of 80 or better in their CURRENT MATH course to enroll in a credit advancement course. These courses for advancement purposes do not appear on the High School Transcript or receive credit toward the calculation of rank in class or the GPA. Student's must earn a passing grade in the credit advancement course in order move to the next level.

Manasquan High School Math Sequence 2020 – 2021				
8th Grade Course Completed	Grade 9	Grade 10	Grade 11	Grade 12
Grade 8 Math	Algebra 1	Geometry	Algebra II	College Algebra and or Elective
	Advanced Algebra 1	Advanced Geometry	Advanced Algebra II	Precalculus and/or Elective
Grade 8 Algebra I	Advanced Geometry	Advanced Algebra II	Pre-Calculus	Calculus and/or Elective
	Honors Geometry	Honors Algebra II	Honors Pre-Calculus	Honors Calculus or AP Calculus AB and/or Elective
Grade 8 Geometry	Honors Algebra II	Honors Pre-Calculus	Honors Calculus or AP Calculus AB	AP Calculus AB or BC and/or Elective
Math Electives:				
AP Computer Science Principles		Consumer Math		
AP Computer Science A		Statistics		
AP Statistics		College Algebra		
Honors Calculus				
All Courses above meet the NCAA Eligibility Center Requirements				

ALGEBRA I**Course Code 0501 (In-Class Resource Code 0503)**
(9,10)**5 Credits**

Introduces problem solving strategies, using real number systems, solving equations and inequalities, polynomials, factoring, linear systems of equations and inequalities, rational and irrational numbers, quadratic functions, and probability and statistics.

ADVANCED ALGEBRA I**Course Code 0590 (In-Class Resource Code 0591)**
(9,10,11,12)**5 Credits**

Quantitative thinking methods and a method of logical reasoning are important outcomes of this course. Included in the subject area are: using real number systems, algebraic sentences, solving equations and inequalities, polynomials, factoring, graphical representations and systems in two variables, exponential functions, quadratic functions, and probability and statistics.

Recommended Prerequisite: Grade 8 Math (> 80)

GEOMETRY**Course Code 0522 (In-Class Resource Code 0523)**
(10, 11,12)**5 Credits**

This course provides students with an opportunity to build functional geometric competencies in order to meet or exceed the requirements of the New Jersey State Proficiency Test. Topics include the study of lines and angles, deductive proofs, parallel lines, congruent triangles, circles, quadrilaterals, similar triangles, right triangle trigonometry, regular polygons, areas and volume, and transformations.

ADVANCED GEOMETRY**Course Code 0592 (In-Class Resource Code 0593)**
(9,10,11,12)**5 Credits**

This course develops deductive reasoning and uses Euclidean plane geometry as a model. Topics include the study of lines and angles, two-column proofs, parallel lines, congruent triangles, circles, quadrilaterals, right triangle trigonometry, polygons, areas and volume, and transformations. Also examined are the ideas of coordinate geometry, spatial relationships and rectangular coordinates.

Recommended Prerequisite: Grade 8 Algebra 1 (> 80) or Algebra 1 (> 80) or Algebra Concepts (\geq 90) with a teacher recommendation

HONORS GEOMETRY**Course Code 0521****(9,10,11,12)****5 Credits**

This course offers the students the opportunity to develop skills in the use of inductive and deductive reasoning in the solution of mathematical problems, using Euclidean plane geometry as the model. Traditional axiomatic, transformational, and coordinate and vector approaches are used in the course, as they apply to the problem solutions. The course will focus on real life applications related to algebraic and geometry concepts studied, technology use and enrichment.

***Recommended Prerequisite:* Grade 8 Algebra 1 (≥ 85) with a teacher recommendation, and MHS Algebra 1 (≥ 90) with a teacher recommendation**

ALGEBRA II**Course Code 0512 (In-Class Resource Code 0513)****(9,10,11,12)****5 Credits**

Includes the study of graphical representations and methods, linear programming, polynomials, factoring, rational expressions, quadratic functions, radical functions, exponential functions, and logarithmic functions. This class will extend the concepts of graphs and complex numbers.

ADVANCED ALGEBRA II**Course Code 0594****(9,10,11,12)****5 Credits**

This course is for the student who wishes to continue his/her study of more advanced work in mathematics. Includes the study of radical, exponential, logarithmic, polynomial, rational, and periodic functions. This class will further the understanding of complex numbers, graphs of functions, and non-linear functions.

***Recommended Prerequisite:* Algebra 1 and Geometry (> 80)**

HONORS ALGEBRA II**Course Code 0596****(9,10,11,12)****5 Credits**

The algebraic properties of the real number system are reviewed, as are equations of the first and second degree. The real number system is extended to the complex number system. Radical, exponential, logarithmic, polynomial, rational, and periodic functions, along with trigonometry are studied in detail. An emphasis is placed on mathematical modeling and applications. Sequences, series, parametric, and polar functions are covered as time permits.

***Recommended Prerequisite:* Honors Geometry (≥ 80) or Algebra 1 (≥ 90), Geometry (≥ 90), with a teacher recommendation**

PRE-CALCULUS**Course Code 0534****(10,11,12)****5 Credits**

Mathematical analysis is used to extend the study of mathematical systems in this course. Students are given the opportunity to gain understandings related to the complex number system and its relationship to trigonometric, circular, and polynomial functions, identities, graphical representations, and equations. Also examined are analytical geometry, limits, graphs, equations, exponential functions and logarithms. Throughout the course, the implementation of graphing calculators and computers are used to enhance selected lessons.

Recommended Prerequisite: Algebra 2 (> 80) or Algebra 2 (≥ 75)

HONORS PRE-CALCULUS**Course Code 0533****(10,11,12)****5 Credits**

This course presents to the students an opportunity to learn the basic topics of Trigonometry and Analytic Geometry, while examining some of the more advanced processes leading to Calculus. Theory is combined with applications in mathematical analysis. The trigonometric, circular and polynomial functions and complex number systems, identities, and graphical representations are included in this course. In addition, the principles of analytic geometry, limits, series and sequences are covered as a preparation for Calculus. Throughout the course, the implementation of graphing calculators and computers are used to enhance selected lessons.

Recommended Prerequisite: Advanced Algebra 2 (> 90) or Honors Algebra 2 (≥ 80)

CALCULUS**Course Code 0542****(10,11,12)****5 Credits**

This Calculus course assumes knowledge of algebra, geometry, trigonometry and analytical geometry. A strong understanding of elementary functions is developed prior to the study of differential calculus and integral calculus is stressed. Students will examine the application of advanced methods of calculation in verbal problems, graphing, problems involving areas and volumes of rotation.

Recommended Prerequisite: Algebra 2 Trig (> 80) or Precalculus (> 80)

HONORS CALCULUS**Course Code 0540****(10,11,12)****5 Credits**

This honors level calculus course provides students with an opportunity to develop a conceptual understanding of calculus and its applications. The course emphasizes a multi-representational approach to calculus with concepts, results, and problems being expressed analytically and numerically. As in the Advanced Placement course, the unifying themes of the course are limits, differentiation, and integration and appropriate applications of these concepts. This course will also include the study and analysis of trigonometric functions, as well. Graphing calculators are used to reinforce mathematical relationships, to confirm written work, to implement experimentation, and to assist in interpreting results. Graphing calculators are required.

Recommended Prerequisite: Algebra 2 Trig Honors (≥ 80) with a teacher recommendation or Precalculus (≥ 90) with a teacher recommendation

ADVANCED PLACEMENT CALCULUS AB**Course Code 0538****(10,11,12)****5 Credits**

This Calculus AB course assumes a prior knowledge and understanding of Algebra, Geometry, Trigonometry and Analytical Geometry, as well as knowledge of various elementary functions. The topics covered in this program include those in traditional Calculus, as well as additional topics outlined by the College Board for their Calculus AB program. Instructional coverage of course content will be both rigorous and fast paced as all topics must be covered by May 1st so that students will be prepared to take the AP Test during the second week in May. Students must take the AP exam in the spring. ***Summer Work is required of all students who enroll in this course.**

***Recommended Prerequisite:* Calculus (≥ 90) with a teacher recommendation or Algebra 2 Trig Honors (≥ 90) with a teacher recommendation or Honors Calculus (≥ 80) with teacher recommendation**

ADVANCED PLACEMENT CALCULUS BC**Course Code 0539****(11,12)****5 Credits**

In addition to the topics covered in Calculus AB, this course presents students a study of differential equations, sequences, series, polar coordinates, and parametric equations. The use of a graphing calculator is integrated throughout this course. This is a rigorous course designed to prepare the student to take the College Board's AP Calculus BC examination in May. Instructional coverage of course content will be both rigorous and fast paced as all topics must be covered by May 1st so that students will be prepared to take the AP Test during the second week in May. Students must take the AP exam in the spring semester. ***Summer Work is required of all students who enroll in this course.**

***Recommended Prerequisite:* AP Calculus AB (≥ 80)**

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES**Course Code 0150****(9,10,11,12)****5 Credits**

AP Computer Science Principles introduces you to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, you will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society. All students must take the AP Exam in the spring semester. ***Summer Work is required of all students who enroll in this course.**

***Recommended Prerequisite:* Completion of Algebra 1 in grade 8 or high school**

ADVANCED PLACEMENT COMPUTER SCIENCE A**Course Code 0151****(10,11,12)****5 Credits**

This is an intensive full-year course that familiarizes students with programming concepts (using the Java programming language) comparable to an introductory course in computer science at the college level. Topics include Java fundamentals, arrays and matrices, selection and repetition, pointers and dynamic memory, strings and text, classes and object-oriented programming, recursion, searching and sorting techniques, algorithmic analysis, and references and dynamic memory. ***Summer Work is required of all students who enroll in this course.**

***Recommended Prerequisite:* Completion of AP Computer Science Principles**

STATISTICS**Course Code 0560****(11,12)****5 Credits**

This mathematics course is a non-calculus based introductory course in statistics which may be completed as an elective or as a senior math course. To be successful in this course students must have completed Algebra II. Students planning studies in physical or social sciences should consider this course. Students who complete this course will be prepared to do similar work in a college level statistics course. Students will be exposed to four conceptual themes: exploring data, planning a study, anticipating patterns, and inferring from statistics. Students will also be introduced to selected topics in discrete mathematics and probability.

Recommended Prerequisite: Algebra 2 (> 80) or Precalculus (≥ 75)

ADVANCED PLACEMENT STATISTICS**Course Code 0561****(11,12)****5 Credits**

AP Statistics is an Advanced Placement course, which is equivalent to a one-semester introductory, non-calculus based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course will follow a syllabus approved by the College Board that is designed to prepare students to take the AP Statistics examination. Graphing calculators are required. ***Summer Work is required of all students who enroll in this course.**

Recommended Prerequisite: Teacher recommendation and Algebra 2 Trig (≥ 90) or Algebra 2 Trig Honors (≥ 80) or Completion of any Calculus (≥ 80)

CONSUMER MATH**Course Code 0552****(9,10,11,12)****5 Credits**

This course stresses making consumer decisions regarding transportation, buying food, and clothing, your family's housing, estimating incoming and planning expenditures, taxation, consumer credit, banking, insurance, investments, arithmetic review, and practice

COLLEGE ALGEBRA**Course Code 0518****(12)****5 Credits**

This capstone course will continue the study of algebraic skills first learned in Algebra II and extend these skills to the types of problems covered in college algebra. Applications of the following types of functions will be covered: linear, quadratic, polynomial, rational, radical, exponential, and logarithmic. In addition, the course introduces trigonometric functions and the transformations applied to functions. Problems in the course are approached from a variety of perspectives, including graphical, numerical, and algebraic.



SCIENCE

Department Supervisor: Mr. Craig Murin

The Science Department offers a variety of inquiry-based courses to not only satisfy the Science graduation requirements but also address the National Next Generation Science Standards and the New Jersey Student Learning Standards. It is also our mission to provide the necessary skills for 21st Century College and career Readiness success. The District requirement for Science includes one year of Biology, one year of Chemistry and a recommended year of Physics or Lab/Inquiry Based Science. There are three sequences from which to choose: College Preparatory Sequence, Advanced College Preparatory Sequence, and the Honors College Preparatory Sequence. It is recommended that placement into any sequence take into consideration the ability of the student, his/her future goals, performance in previous science courses, and performance on standardized tests. Students who seek a rigorous program of study with exceptional science ability and who wish to study science in greater depth should consider taking Honors and Advanced Placement courses.

Courses taken for advancement purposes in an approved college program or in a state approved 120-hour program must have the prior approval of the, Department Supervisor and Director of School Counseling. Students must also show evidence of a grade of 80 or better in their CURRENT MATH course to enroll in a credit advancement course. These courses for advancement purposes do not appear on the High School Transcript or receive credit toward the calculation of rank in class or the GPA. Student's must earn a passing grade in the credit advancement course in order move to the next level.

Manasquan High School Science Sequence 2020 – 2021														
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12										
Grade 8 Science	Lab Biology	Lab Chemistry	Lab Physics or Science Elective	Science Elective										
	Advanced Lab Biology	Advanced Lab Chemistry	Advanced Lab Physics or Science Elective	Science Elective										
	Honors Lab Biology	Honors Lab Chemistry	Honors Lab Physics or Science Elective	AP Biology and/or AP Chemistry and/or AP Physics										
<p style="text-align: center;">Science Electives:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">AP Biology</td> <td style="width: 50%;">Lab Anatomy and Physiology</td> </tr> <tr> <td>AP Chemistry</td> <td>Lab Marine Science</td> </tr> <tr> <td>AP Physics</td> <td>Lab Astronomy and Meteorology</td> </tr> <tr> <td>AP Environmental</td> <td>Lab Forensics 1/2 Year</td> </tr> <tr> <td>Lab Environmental</td> <td>Lab Horticulture 1/2 Year</td> </tr> </table> <p style="text-align: center;">All Courses above meet the NCAA Eligibility Center Requirements</p>					AP Biology	Lab Anatomy and Physiology	AP Chemistry	Lab Marine Science	AP Physics	Lab Astronomy and Meteorology	AP Environmental	Lab Forensics 1/2 Year	Lab Environmental	Lab Horticulture 1/2 Year
AP Biology	Lab Anatomy and Physiology													
AP Chemistry	Lab Marine Science													
AP Physics	Lab Astronomy and Meteorology													
AP Environmental	Lab Forensics 1/2 Year													
Lab Environmental	Lab Horticulture 1/2 Year													

LABORATORY BIOLOGY**Course Code 0622 (In-Class Resource Code 0623)****(9,10)****5 Credits**

This study of biological concepts is laboratory oriented. It provides an overview of the chemical and structural basis of life including the interactions of organisms and the environment. This course covers the same topics as Laboratory Biology but in a more teacher directed and student supported manner. Lab demonstrations, activities and group investigations are part of the curriculum. An emphasis is placed on the living organism as part of the biosphere and social organization of civilization. Students enrolled DO NOT have to complete Algebra I prior to enrollment. This course satisfies the graduation requirement for one unit of Biology.

ADVANCED LABORATORY BIOLOGY**Course Code 0601 (In-Class Resource Code 0602)****(9)****5 Credits**

This study of biological concepts is laboratory oriented. The course examines molecular and cellular biology as a background for understanding the life processes of living organisms. Elements of the chemical and structural basis of life, from cell to protists, to plants and animals, and finally to the human, are explored. Microscopic investigations, and problem solving activities are incorporated into this course; laboratory dissections may be incorporated into these studies.

Recommended Prerequisite: Grade 8 Science (> 80)

HONORS LABORATORY BIOLOGY**Course Code 0621****(9)****5 Credits**

A laboratory study of molecular biology, plant and animal physiology, microbiology, and genetics which stresses the importance of laboratory skills as a fundamental basis of inquiry and investigation. Concepts are developed through a series of experimental problems which give the student an opportunity to learn through research, using the techniques employed by biologists. Because a college level textbook is used for this course, reading comprehension, note taking and observational skills are essential.

Recommended Prerequisite: Grade 8 Science (≥ 90), teacher recommendation, and passing score on Departmental Placement Test

LABORATORY CHEMISTRY**Course Code 0632 (In-Class Resource Code 0633)****(10,11,12)****5 Credits**

This course is a college prep laboratory investigation of the properties and structure of matter and the changes matter undergoes. Fundamental concepts of atomic structure, periodicity, the natural laws, and the mathematics governing certain chemical phenomena are explored. Note taking and study skills are stressed as an integral part of the approach.

ADVANCED LABORATORY CHEMISTRY**Course Code 0603 (In-Class Resource Code 0604)****(10,11,12)****5 Credits**

Chemistry is the study of matter and energy taken from the viewpoint of the materials and substances found in nature and in the laboratory. Students will study the principles of chemistry, develop problem solving skills, and will engage in data analysis through real life topics presented. Topics include compounds and elements, atomic structure, chemical bonding, measurement, chemical energy and reactions as the unifying concepts used to develop the course.

***Recommended Prerequisite:* Completed Algebra One and Biology Concepts (> 90) with a teacher recommendation or Biology (> 75)**

HONORS LABORATORY CHEMISTRY**Course Code 0631****(10,11,12)****5 Credits**

Chemistry Honors is a lab oriented course designed to give the students the opportunity to understand the fundamental concepts of the properties and structure of matter and the changes it undergoes. The course offers a solid foundation for those students whose career choice requires a background in the sciences. Mathematical processes of problem solving, particularly those skills taught in Algebra 1 and Algebra 2, are used extensively throughout the course.

***Recommended Prerequisite:* Algebra One (>80) and Honors Biology (≥ 85) or Biology (≥ 93) with a teacher recommendation**

LABORATORY PHYSICS**Course Code 0642****(11,12)****5 Credits**

Topics covered in this course include motion, forces, energy, and momentum. The concepts are presented through experiments, demonstrations, and theories which lead to mathematical application through problem solving using basic algebraic skills. Organizational skills and study skills are emphasized in this course. A digital portfolio of learning activities and projects is maintained throughout the course.

***Recommended Prerequisite:* Completion of Algebra 1**

ADVANCED LABORATORY PHYSICS**Course Code 0605****(11,12)****5 Credits**

This course investigates the physical forces and laws which govern our universe. It is a laboratory oriented examination of energy, waves, force, motion, mechanics, sound, light, electricity and magnetism. The interrelationships of natural phenomena and mathematical concepts are explored. Observational skills and ability to use deductive reasoning are important. The conceptual nature of physics is also explored with reference to daily applications.

***Recommended Prerequisite:* Chemistry (> 75) and completion of Algebra 2 or enrolled in Algebra 2**

HONORS LABORATORY PHYSICS**Course Code 0641****(11,12)****5 Credits**

Honors Physics is designed to give students a logical, sequential development of the understandings related field of study after high school. This lab oriented course examines the fundamental aspects of mechanics, kinematics, dynamics, circular motion, sound, light, electricity and magnetism as they are interrelated in Physics. Mathematical processes of problem solving, particularly trigonometry, are used throughout the course. Students are required to do a major research project. Students wishing to enroll in this course must have earned a 93 average or better in a previous science course or an 85 average or better in Chemistry Honors.

***Recommended Prerequisite:* Honors Chemistry (≥ 80) or Chemistry (≥ 90) with a teacher recommendation**

LABORATORY ANATOMY AND PHYSIOLOGY**Course Code 0652****(10,11,12)****5 Credits**

This lab science course is designed for students who want a more intensive study of human anatomy and physiology. The course is especially useful for students who intend to continue their educational training in a health related field. Course emphasis is on structure, function, and interaction of the major organ systems.

NOTE: Dissections are a key component of the Anatomy/Physiology class. This class is taught in conjunction with Rutgers University accreditation.

***Recommended Prerequisite:* Completed Chemistry with Honors Biology or Biology (≥ 80) with a teacher recommendation**

LABORATORY ASTRONOMY/ METEOROLOGY**Course Code 0658****(10,11,12)****5 Credits**

This course offers the student an opportunity to explore two major areas of science in more detail than found in General Science or Earth Science courses. The laws, principles, and major concepts involving time, space, the solar system and the use of space as a potential environment are examined. In addition, the major events, forces, and phenomena affecting the earth and its atmosphere are studied.

LABORATORY MARINE SCIENCE**Course Code 0657****(10,11,12)****5 Credits**

This lab science program is designed to offer students the opportunity to study the dynamic nature of the ocean, shoreline, and the ocean floor as well as the global importance of the ocean as a marine science resource. In addition, students will study the marine environment and some of its plant and animal inhabitants through dissections, as well as and the importance of the ocean as an ecosystem.

LABORATORY ENVIRONMENTAL SCIENCE**Course Code 0613****(10,11,12)****5 Credits**

This hands on science program will address current environmental issues which effect the world society. Pollution, population growth, sustainability, and global warming are but a few of the many topics that will be addressed within this course. Students will actively be exposed to research and current events and will be expected to complete extensive group and individual project work. There is emphasis on local environmental problems and solutions. Strategies for proper management of local resources are covered throughout the course.

LABORATORY FORENSIC SCIENCE**Course Code 0654****(11,12)****2.5 Credits**

This half-year laboratory course for juniors and seniors provides an introduction to the field of forensic science. The course of study includes the applications of forensic science concepts (which involves biology, chemistry, and physics) to analyze and investigate evidence that may be discovered in a criminal investigation. Classroom activities include laboratory investigations and activities, research projects, famous case studies, lab practicums, career exploration, and the infusion of technology throughout the scope of the course.

***Recommended Prerequisite:* Any level of Biology and Chemistry completed**

HORTICULTURE**Course Code 0656****(11,12)****2.5 Credits**

The Horticulture course will expose students to the world of scientific plant research and production. Students will have experiences in various plant science concepts through laboratory-based activities, projects, and problems. Student experiences will include the study of plant cells and photosynthesis, plant classification, non-vascular plants, the vascular system, leaves and trees, plant reproduction, plant adaptation, and plant diseases. Students will learn how to apply scientific knowledge and skills to use plants effectively for horticultural research, production, and in the creation of landscape designs. Students will discover the value of plant production and its impact on the individual, the local, and the global economy.

***Recommended Prerequisite:* Any level of Biology completed**

ADVANCED PLACEMENT BIOLOGY**Course Code 0620****(11,12)****6 Credits**

This course is modeled on the outline established by the College Board to prepare the student for the AP examination in Biology. The course content exceeds that of Laboratory Biology with more intense and self-directed study of major principles. This course is recommended for those college bound students who have completed Biology and Chemistry and desire a more detailed study of applied Biology Concepts. This course is especially relevant for students who are planning to pursue a Biology or medically related major in college. The student will be prepared for and expected to take the AP Exam in May. Students must take the AP exam in the spring. ***Summer Work is required of all students who enroll in this course.**

***Recommended Prerequisite:* Honors Biology (≥ 80) or Biology (≥ 90) with a teacher recommendation**

ADVANCED PLACEMENT LABORATORY CHEMISTRY**Course Code 0630****(11,12)****6 Credits**

This course is modeled on the outline established by the College Board to prepare the student for the AP examination in chemistry. The course content offers the student a more intensive investigation of the major principles and mathematical concepts. Students must take the AP exam in the spring. ***Summer Work is required of all students who enroll in this course.**

***Recommended Prerequisite:* Honors Biology (≥ 80) or Biology (≥ 90) with a teacher recommendation**

ADVANCED PLACEMENT LABORATORY ENVIRONMENTAL SCIENCE**Course Code 0618****(10,11,12)****5 Credits**

Advanced Placement Environmental Science is an interdisciplinary lab course that covers the scientific, social, and economic principles and concepts necessary to understand the natural world and its relationship with humanity. It will incorporate a wide variety of topics from diverse areas of study, including: biology, chemistry, physics, geology, populations, land and water use, energy resources and consumption, pollution, and global change. Additionally, students will qualitatively and quantitatively analyze environmental problems both natural and man-made, evaluate the risks associated with these problems, and examine alternative solutions for resolution and prevention. Students must take the AP exam in the spring ***Summer Work is required of all students who enroll in this course.**

***Recommended Prerequisite:* Completed Chemistry with Honors Biology (≥ 80) or Biology (≥ 90) with a teacher recommendation**

ADVANCED PLACEMENT PHYSICS I**Course Code 0606****(11,12)****5 Credits**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves. Students must take the AP exam in the spring ***Summer Work is required of all students who enroll in this course.**

***Recommended Prerequisite:* Honors Chemistry (≥ 80) or Chemistry (≥ 90) with a teacher recommendation**

WORLD LANGUAGE

Department Supervisor: Mr. Robert Goodall

FRENCH I

Course Code 0411

(9,10,11,12)

5 Credits

In the first year of study of French, the students learn to communicate orally and in writing on an elementary level in the foreign language. Within the constraints of the vocabulary and structure that the students have mastered, they will use French to engage in conversation, understand and interpret spoken and written language, and present information, concepts, and ideas through speaking and writing. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. During this study, the students will compare their native language, culture, and perspectives to that of the French speaking world.

FRENCH II

Course Code 0414

(9,10,11,12)

5 Credits

In the second year of the study of French, the student learns to communicate orally and in writing on a more complex level in the target language. All the material introduced in the first year is reinforced and the students' progress to the next level in their ability to communicate and interpret language and culture. The length and depth of the materials used increases and the students' speaking, reading, and writing tasks become less guided. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. As the students' proficiency level increases, the more they are required to use the target language throughout the instructional period.

HONORS FRENCH II

Course Code 0413

(9,10,11,12)

5 Credits

This course is designed for linguistically motivated students who wish to pursue their study of a world language in greater depth than is possible in regular class. The students will continue to enhance their oral and written communication skills, understand and interpret both spoken and written French and apply their knowledge in novel real-world situations. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. An exploration of the francophone world in comparison to their own will continue through the study of language, culture and perspectives. Working at an accelerated pace and using more complex materials, the students will be expected to demonstrate language skills equivalent to a third-year level. Students must meet the established criteria to enter an honors course.

FRENCH III**Course Code 0417****(9,10,11,12)****5 Credits**

The purpose of the course is to meet the needs of those students who wish to increase their ability to read, write, comprehend and speak French. An investigation of other cultures and their relation to the students' own continues. The third level of linguistic skills is presented through more complex and lengthy materials. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. As the students continue with more advanced language concepts, students are required to use French to convey their own ideas in writing and speaking rather than relying on guided responses.

HONORS FRENCH III**Course Code 0416****(9,10,11,12)****5 Credits**

This course is designed for linguistically motivated students who wish to pursue their study of a world language in greater depth than is possible in a regular class. The students will continue to enhance their interpretive, interpersonal, and presentational communicative skills. Using materials which encompass level 3 and 4 work, the students begin the study of more advanced linguistic skills through more complex auditory materials, literature, and writing assignments. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. Cultural, linguistic and ideological links are made between the students' world and the francophone world. Students must meet the established criteria to enter an honors course.

FRENCH IV**Course Code 0419****(10,11,12)****5 Credits**

The students will continue to enhance their interpretive, interpersonal, and presentational communicative skills. The students begin the study of more advanced linguistic skills through complex auditory materials, literature, and writing assignments. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. Cultural, linguistic and ideological links are made between the students' world and those who speak French.

HONORS FRENCH IV**Course Code 0418****(10,11,12)****5 Credits**

This course is designed for linguistically motivated students who wish to pursue their study of a world language in greater depth than is possible in a regular class. The students will continue to enhance their interpretive, interpersonal, and presentational communicative skills. Using more complex auditory materials, literature and writing assignments, the students begin this advanced study which will ultimately prepare them for an advanced-beginner or intermediate level college course. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. Cultural, linguistic and ideological links are made between the students' world and those who speak French. Students must meet the established criteria to enter an honors course.

ADVANCED PLACEMENT FRENCH LANGUAGE & CULTURE**Course Code 0420****(11,12)****5 Credits**

The Advanced Placement French Language & Culture course is designed to prepare the students for the Advanced Placement exam. Instructors follow a rigorous curriculum approved by College Board. Students who wish to accelerate their study of French in college should prepare for this examination. It is open to all students who have completed French IV Honors or its equivalent. It is an intense study of French language and culture through authentic speaking, listening, reading and writing tasks. Students must meet the established criteria to enter an honors course. All students must take the AP exam in the spring.

SPANISH I**Course Code 0421 (In-Class Resource Code 0422)****(9,10,11,12)****5 Credits**

In the first year of study of Spanish, the students learn to communicate orally and in writing on an elementary level in the foreign language. Within the constraints of the vocabulary and structure that the students have mastered, they will use Spanish to engage in conversation, understand and interpret spoken and written language, and present information, concepts, and ideas through speaking and writing. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. During this study, the students will compare their native language, culture, and perspectives to that of the Hispanic world.

SPANISH II**Course Code 0424****(9,10,11,12)****5 Credits**

In the second year of the study of Spanish, the student learns to communicate orally and in writing on a more complex level in the target language. All the material introduced in the first year is reinforced and the students' progress to the next level in their ability to communicate and interpret language and culture. The length and depth of the materials used increases and the students' speaking, reading, and writing tasks become less guided. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. As the students' proficiency level increases, the more they are required to use the target language throughout the instructional period.

HONORS SPANISH II**Course Code 0423****(9,10,11,12)****5 Credits**

This course is designed for linguistically motivated students who wish to pursue their study of a world language in greater depth than is possible in regular class. The students will continue to enhance their oral and written communication skills, understand and interpret both spoken and written Spanish and apply their knowledge in novel real-world situations. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. An exploration of the Hispanic world in comparison to their own will continue through the study of language, culture and perspectives. Working at an accelerated pace and using more complex materials, the students will be expected to demonstrate language skills equivalent to a third-year level. Students must meet the established criteria to enter an honors course.

SPANISH III**Course Code 0427****(9,10,11,12)****5 Credits**

The purpose of the course is to meet the needs of those students who wish to increase their ability to read, write, comprehend and speak Spanish. An investigation of other cultures and their relation to the students' own continues. The third level of linguistic skills is presented through more complex, and lengthy materials. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. As the students continue with more advanced language concepts, students are required to use Spanish to convey their own ideas in writing and speaking rather than relying on guided responses.

HONORS SPANISH III**Course Code 0426****(9,10,11,12)****5 Credits**

This course is designed for linguistically motivated students who wish to pursue their study of a world language in greater depth than is possible in a regular class. The students will continue to enhance their interpretive, interpersonal, and presentational communicative skills. Using materials which encompass level 3 and 4 work, the students begin the study of more advanced linguistic skills through more complex auditory materials, literature, and writing assignments. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. Cultural, linguistic and ideological links are made between the students' world and those who speak Spanish. Students must meet the established criteria to enter an honors course.

SPANISH IV**Course Code 0429****(10,11,12)****5 Credits**

The purpose of this course is to continue the cycle of language study in high school. More advanced linguistic skills through complex auditory materials, literature, and writing assignments are presented. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. Speaking is emphasized through class discussions. The history, geography, and cuisines of the Hispanic World are also studied. Spanish IV also presents a variety of short stories and authentic newspaper articles to read and discuss.

HONORS SPANISH IV**Course Code 0428****(10,11,12)****5 Credits**

This course is designed for linguistically motivated students who wish to pursue their study of a world language in greater depth than is possible in a regular class. The students will continue to enhance their interpretive, interpersonal, and presentational communicative skills. Using more complex auditory materials, literature and writing assignments, the students begin this advanced study which will ultimately prepare them for an advanced-beginner or intermediate level college course. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. Cultural, linguistic and ideological links are made between the students' world and those who speak Spanish. Students must meet the established criteria to enter an honors course.

ADVANCED PLACEMENT SPANISH LANGUAGE & CULTURE**Course Code 0430****(11,12)****5 Credits**

The Advanced Placement Spanish Language & Culture course is designed to prepare the students for the Advanced Placement exam. Instructors follow a rigorous program approved by the College Board. Students who wish to accelerate their study of Spanish in college should prepare for this examination. This course is open to all students who have completed Spanish IV Honors or its equivalent. It is an intense study of Spanish language through speaking, listening, reading and writing. Summarizing and synthesizing techniques are developed through readings and cultural aspects of the language. Students must meet the established criteria to enter an honors course. All students must take the AP Exam in the Spring.

ITALIAN I**Course Code 0450****(9,10,11,12)****5 Credits**

In this first-year Italian course, students learn to communicate spontaneously, interpret oral and written language and present concepts, ideas, and cultural awareness in the target language. Within the constraints of the vocabulary and structures that students have mastered, they will be asked to demonstrate novice-level communicative proficiency and a degree of mastery with specific skills and structures in listening, speaking and writing tasks. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum.

ITALIAN II**Course Code 0452****(9,10,11,12)****5 Credits**

In the second year of the study of Italian, the student learns to communicate orally through speaking and writing on a more complex level in the target language. All the material introduced in the first year is reinforced as the students' progress to the next level in their ability to communicate and interpret language and culture. The length and depth of the materials used increases the students' speaking, reading and writing through content based themes. These themes are aligned to authentic materials and real-life situations which make learning applicable to everyday local and global situations. As the students' proficiency level increases, the more they are required to utilize the target language throughout the instructional period.

HONORS ITALIAN II**Course Code 0454****(9,10,11,12)****5 Credits**

This course is designed for linguistically motivated students who wish to pursue their study of a world language in greater depth than is possible in a regular class. In this level, students will continue to enhance their oral and written communication skills, understand both spoken and written Italian and continue to apply their knowledge in real life situations. Presentations and interactions with native speakers are an integral part of the curriculum. An exploration of the Italian world in comparison to their own will continue through the study of language, culture and perspectives. Working at an accelerated pace and using more complex materials, students will be expected to demonstrate language skills equivalent to a third-year level. Students must meet the established criteria to enter an honors course.

ITALIAN III**Course Code 0456****(9,10,11,12)****5 Credits**

The purpose of this course is to meet the needs of those students who wish to increase their ability to read, write, comprehend and speak Italian. An investigation of other cultures and their relation to the students' continues at this level. The third level of linguistic skills is presented through more complex and lengthy materials. The length and depth of the materials increases in order to expand the students' speaking, reading and writing through content based themes. These themes are aligned to authentic materials and real-life situations which make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. As the students continue with more advanced language concepts, students are required to use Italian to convey their own ideas in writing and speaking rather than relying on guided responses.

HONORS ITALIAN III**Course Code 0458****(9,10,11,12)****5 Credits**

This course is designed for linguistically motivated students who wish to pursue their study of a world language in greater depth than is possible in a regular class. In this level, students will continue to enhance their interpretive, interpersonal and presentational communicative skills. Utilizing materials which encompass Level 3 and 4 work, the students begin the study of more advanced linguistic skills through complex auditory materials, literature, writing assignments and formal presentations. These themes are aligned to authentic materials and real-life situations which make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. Cultural, linguistic and ideological links are made between the students' world and the Italian world. Students must meet the established criteria to enter an honors course.

ITALIAN IV**Course Code 0460****(11,12)****5 Credits**

The purpose of this course is to continue the cycle of language study in high school. The students will continue to enhance their interpretive, interpersonal, and presentational communicative skills. The students begin the study of more advanced linguistic skills through complex auditory materials, literary works and writing assignments. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. Cultural, linguistic and ideological links are made between the students' world and those who speak Italian.

HONORS ITALIAN IV**Course Code 0462****(11,12)****5 Credits**

This course is designed for linguistically motivated students who wish to pursue their study of a world language in greater depth than is possible in a regular class. The students will continue to enhance their interpretive, interpersonal, and presentational communicative skills. Through complex auditory materials, recordings, podcasts, writing assignments and literary works students begin this advanced study which will ultimately prepare them for the AP exam. All topics and activities are aligned accordingly. Authentic materials and real life situations are infused in daily lessons to make learning applicable to everyday local and global situations. Presentations and interactions with native speakers are an integral part of the curriculum. Cultural, linguistic and ideological links are made between the students' world and those who speak Italian. Students must meet established criteria to enter an honors course.

ADVANCED PLACEMENT ITALIAN**Course Code 0465****(11,12)****5 Credits**

The AP Italian Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Students engage in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products, both tangible and intangible, patterns of social interactions within a culture and perspectives. Students must meet the criteria to enroll in an honors class. All students enrolled in the class must take the AP Exam in the spring.

21st CENTURY LIFE AND CAREERS BUSINESS AND TECHNOLOGY

Department Supervisor: Mr. Rich Read

The Business Education program is designed to meet the needs of several types of students: The career oriented who plan to enter the world of work after completing high school; those who want to further refine their business skills at an accredited business school after completing high school; those who plan to pursue a career in a business-related field.

MICROSOFT SUITE

Course Code 0144

(9,10,11,12)

2.5 Credits

This course is designed to provide students with skills in all areas of computer applications technology. Students will gain exposure to all products included in the Microsoft Office Suite, including Word, Excel, Office Mix, PowerPoint and Publisher. Authentic simulation will be used to ensure that students can effectively utilize all applications in realistic environments. This course also offers instruction in learning touch keyboarding.

BUSINESS AND FINANCIAL LITERACY

Course Code 0111

(9,10,11,12)

2.5 Credits

Understanding and managing personal finances are key to one's future financial success. This course is based on the National and New Jersey State financial literacy standards and present essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earnings potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

COMMUNICATION AND CREATIVE MEDIA (Formerly Multi-Media and Multi-Media Workshop)

Course Code 0172

(9,10,11,12)

5 Credits

This is an exciting "state of the art" course designed for those students who are seriously interested in creating multimedia projects involving photo editing, graphic illustrations, web page development, page layout design, publications, advertising, advertising through social media, and more. Students will learn how to think outside of the box as well as how to incorporate these techniques into the real-world. Students will utilize the Adobe Creative Cloud software to create the projects.

***Prerequisite:* Advanced Computer Skills Required**

PRINCIPLES of ACCOUNTING I**Course Code 0130****(10,11,12)****2.5 Credits**

This course will provide the students with an introduction to accounting principles with an emphasis on the business side of maintaining systematic records for a proprietorship. This course will cover journalizing general entries, posting to the general ledger, accounts payable, accounts receivable, cash control systems, worksheets, financial statements for a proprietorship, and adjusting/closing entries for a proprietorship. Academy of Finance advisory members and community resource speakers will be used to supplement and reinforce classroom instruction, as well as expose the students to career opportunities in this field.

PRINCIPLES of ACCOUNTING II**Course Code 0131****(11,12)****2.5 Credits**

This program will provide the students with an advanced version of Principles of Accounting I with an emphasis on the business side of maintaining systematic records for a corporation. This course will cover journalizing purchases and cash payments, journalizing sales and cash receipts, posting to the general and subsidiary ledgers, accounting for payroll and payroll taxes, distributing dividends, financial statements for a corporation, and adjusting/closing entries for a corporation. Academy of Finance advisory members and community resource speakers will be used to supplement and reinforce classroom instruction, as well as expose the students to internship opportunities in this field.

Prerequisite: Accounting I

SPORTS & ENTERTAINMENT MANAGEMENT**Course Code 0132****(11,12)****2.5 Credits**

Sports & Entertainment Management will prepare students for college level business programs and introduce them to an area of business with which they may be unfamiliar. It is designed to develop a thorough understanding of the management & marketing concepts and theories that apply to sports promotion, sponsorship, product licensing, and entertainment event management and marketing. This course highlights communication skills, distribution, marketing-information management, pricing, product/service management, promotion, selling, operations, strategic management, human resource management, and the economic impact and considerations involved in the sports and event marketing industries. It is a specialized course for students with a career interest in the fields of sports and entertainment as well as marketing. Career opportunities in the marketing cluster will be introduced, including sports agent, client-side sports, agency side sports, corporate based sports and entertainment marketing.

FINANCIAL PLANNING**Course Code 0135****(12)****2.5 Credits**

Students will be introduced to the financial planning process and the components of a comprehensive financial plan. They will learn how to prepare a financial plan that includes saving, investing in stocks, bonds and other securities, the proper use of credit, insurance, college and retirement planning. **This college level course is offered in partnership with Georgian Court University's Course Ahead Program.**

ENTREPRENEURSHIP**Course Code 0136****(12)****2.5 Credits**

Entrepreneurship provides the student with insight into the development and management of an entrepreneurial venture. Topics will include evaluation of a new business idea, developing a business plan, finding alternative methods of financing, managing for results, pricing strategies and management control, business ethics and marketing. **This college level course is offered in partnership with Georgian Court University's Course Ahead Program.**

COMPUTER NETWORKING-INDEPENDENT STUDY**Course Code 0192****(11,12)****2.5 or 5 Credits**

This unique independent study will afford students the opportunity to develop an in-depth knowledge of networking and related systems in a large, school-sized setting. Students will develop a skill set focused on computer networking, servers and server-client relationships, educational technologies, troubleshooting, computer repair and maintenance, and more. Students enrolled in this hands-on program will work closely with the district network engineer and technology specialist. **Prior approval from the Assistant Superintendent/Director of Technology is needed.**

21st CENTURY LIFE AND CAREERS

Department Supervisor: Mr. Don Bramley

FOOD AND CULTURE

Course Code 0865

(10,11,12)

5 Credits

Students will learn the culinary background, meal customs, and staple foods of foreign countries. The class will prepare relative recipes of the geographic area being covered, including holiday foods. As a semester project, students will conduct research of a selected country, presenting their findings, menu of typical dishes, and a representative food sample. Expand your culinary appreciation with cultural foods and cooking techniques.

BASIC FOODS

Course Code 0820

(10,11,12)

5 Credits

Basic Foods is an introductory course in nutrition and foods. The curriculum explores proper nutrition and its relation to improved health, physical performance, and disease prevention. Various food preparations provide practice in basic cooking techniques and organization to promote independence and food knowledge. Focus on an ideal diet and lifestyle are presented through units based on the current USDA MY Plate model of fruits, vegetables, proteins, grains and dairy foods.

FASHION AND INTERIOR DESIGN

Course Code 0892

(10,11,12)

5 Credits

Students will gain an understanding of the elements and principles of design, applying them to create garments and interiors. Concepts including garment construction, textile selection, style and color analysis will be considered. Students will practice skills for drafting and sketching to develop models for spaces and clothing. Assignments will focus on project-based learning with technology integration to create and present designs. This course will provide further exposure to various career opportunities and influential figures in Fashion and Interior Design.

MATERIALS AND METHODS FOR TECHNOLOGY I (FORMERLY INTRODUCTION TO WOODWORKING)

Course Code 0815

(9,10,11,12)

5 Credits

This course is designed to introduce the student to both traditional and modern materials used in today's technologies. The students will discover through hands-on problem-solving activities how materials are processed and used in today's technologies. They will also look at how materials are changed from raw materials into finished products. Materials covered will include wood, metals, plastics, composites, semiconductors, and newly emerging materials. Students will learn how these materials are processed and combined to meet the needs of modern day living. A section of the course will be on the careers in these areas and how advancements in the area of materials and processes have shaped our world.

MATERIALS AND METHODS FOR TECHNOLOGY II (FORMERLY ADVANCED WOODWORKING)**Course Code 0816****(10,11,12)****5 Credits**

Materials and Methods for Technology II class is designed for students who completed Materials and Methods for Technology I. This course will build on the objectives, goals, and project-based assignments that students completed in the introductory course. There will be greater focus on documenting the design continuum in addition to covering all of the material families. Kinesthetic learning experiences will allow students to analyze the outcome of manipulating various materials to solve different problems. The students will also gain greater technological literacy as a result of practical problem solving in the classroom.

Prerequisite: Materials and Methods I**CONSTRUCTION TECHNOLOGY****Course Code 0817****(11,12)****5 Credits**

Construction Technology provides students with experiences in the construction industry. A systems approach to construction will be studied. Some systems covered will include foundation, floor, wall, electrical, plumbing, and HVAC. Students will be involved with construction techniques and the estimating/planning process. Students will also gain valuable experience in exterior and interior design. Advanced areas of study will include agriculture, transportation, space, and underwater construction.

Prerequisite: Materials and Methods I**PRINT MEDIA PUBLICATION I****Course Code 0285****(11)****5 Credits**

Print Media Publication is a course designed for students looking to pursue careers and passions in the areas of writing, photojournalism, business, or digital and graphic design. Academic coursework will explore the necessary skills, organizational structures, and job roles, within the print-based media industry; the financial issues and market trends affecting the industry; and the legal, ethical, and professional obligations of print media publication. In addition, students will receive hands-on training that will include overseeing the start-to-finish production of the Manasquan High School yearbook and maintenance of MHS's online SNO site. Additional field opportunities and student internships may also be available through enrollment in this course.

PRINT MEDIA PUBLICATION II**Course Code 0286****(12)****5 Credits**

This course is designed for those students who would like to continue their study of print media and take a leadership role in the organization, publication and sale of the Manasquan High School yearbook. Students will continue to develop their skills in writing, photojournalism, digital and graphic design. It will be this group's responsibility to ensure that all publications, specifically the school yearbook, meet the established criteria, are properly edited, and page deadlines as well as financial responsibilities are met.

Prerequisite: Print Media Publication I

VISUAL AND PERFORMING ARTS

Department Supervisor: Mr. Don Bramley

FUNDAMENTALS OF MUSICIANSHIP

Course Code 0801

(9,10,11,12)

2.5 Credits

This half year course focuses on music theory concepts. An overview of musical history and performance ranging from Baroque to 20th century popular music is also part of the curriculum. Students will learn the fundamentals of musical notation and be given the opportunity to play music in a wide range of styles. No prior musical skills or knowledge is necessary.

MUSIC THEORY

Course Code 0805

(9,10,11,12)

2.5 Credits

This half year course focusing on rudimental music theory concepts, ear training, and keyboard skills. Theoretical concepts include: major and minor scales, intervals, triads, seventh chords, and counterpoint. Basic musical analysis as well as composition are also covered.

MUSIC PRODUCTION

Course Code 0803

(9,10,11,12)

2.5 Credits

Music Production is a semester-length course where students learn how to produce/create their own music through the SOUNDTRAP digital-audio workstation. Students will create their own ringtone, record live instruments, learn basic piano and music theory, and produce over five, large-scale projects. They will learn the history of music production as well as microphone theory. There will be various guest speakers who currently work in the field of Music Production/Business to share their real-world experience with the class. This class pairs excellently with Music Theory or Piano Lab.

PIANO LAB

Course Code 0809

(9,10,11,12)

2.5 Credits

Students will study the pedagogy and practice of piano performance. Students will learn scales, chords, basic music theory, and repertoire. This is a beginner piano class. This course is not recommended for students who currently study piano privately. Students will learn scales, chords, basic music theory, and repertoire. Each day students will play the piano solo, with a peer, or as a class. There will be a combination of daily sight-reading, practicing, and performing in class. This class pairs excellently with Music Theory or Music Production

MUSICAL THEATRE**Course Code 0813****(9,10,11,12)****2.5 Credits**

Students will study four vocal selections, working in a masters-class format. Students will rehearse duets and full production numbers combining dance as well as studying the history of musical theatre and its relevance in our modern society. Throughout two marking periods, students will study four vocal solos from the classical, golden age, and contemporary periods of musical theatre. Students will rehearse duets and full production numbers combining dance as well as studying the history of musical theatre and its relevance in our modern society. By the end of the semester, students will have multiple 16 and 32-bar cuts, audition practice, a resume, headshot, and healthy/safe vocal technique. There will be a performance after-school at the end of the semester. Students should be able to read sheet music and feel comfortable singing solo in front of their peers before signing up for this class. It is recommended (not required) that this course is taken in conjunction with Concert Choir. This class pairs well with Piano Lab, Music Theory, Music Production, or Intro to Acting.

WARRIOR BAND I**Course Code 0841****(9)****5 Credits**

The Warrior Band has received much recognition with performances locations ranging from Disney World, to Yankee Stadium to West Point, as well as numerous festivals and competitions. Fundamentals and techniques of instrumental music are learned through the preparation and performance of standard band literature at a variety of public performances. Marching, playing and music appreciation leading to college, semi-professional and amateur performing opportunities are part of the curriculum. Members of the Warrior Band are eligible to join the highly acclaimed MHS Jazz Band. The MHS Jazz Band rehearses and performs a variety of traditional, contemporary, as well as jazz-rock charts throughout the year.

WARRIOR BAND II**Course Code 0842****(10)****5 Credits**

This course builds upon and is a continuation of skills and concepts taught in Warrior Band I.

The Warrior Band has received much recognition with performances locations ranging from Disney World, to Yankee Stadium to West Point, as well as numerous festivals and competitions. Fundamentals and techniques of instrumental music are learned through the preparation and performance of standard band literature at a variety of public performances. Marching, playing and music appreciation leading to college, semi-professional and amateur performing opportunities are part of the curriculum. Members of the Warrior Band are eligible to join the highly acclaimed MHS Jazz Band. The MHS Jazz Band rehearses and performs a variety of traditional, contemporary, as well as jazz-rock charts throughout the year.

Prerequisite: Warrior Band I

WARRIOR BAND III**Course Code 0843****(11)****5 Credits**

This course builds upon and is a continuation of skills and concepts taught in Warrior Band II.

The Warrior Band has received much recognition with performances locations ranging from Disney World, to Yankee Stadium to West Point, as well as numerous festivals and competitions. Fundamentals and techniques of instrumental music are learned through the preparation and performance of standard band literature at a variety of public performances. Marching, playing and music appreciation leading to college, semi-professional and amateur performing opportunities are part of the curriculum. Members of the Warrior Band are eligible to join the highly acclaimed MHS Jazz Band. The MHS Jazz Band rehearses and performs a variety of traditional, contemporary, as well as jazz-rock charts throughout the year.

Prerequisite: Warrior Band II

WARRIOR BAND IV**Course Code 0844****(12)****5 Credits**

This course builds upon and is a continuation of skills and concepts taught in Warrior Band III.

The Warrior Band has received much recognition with performances locations ranging from Disney World, to Yankee Stadium to West Point, as well as numerous festivals and competitions. Fundamentals and techniques of instrumental music are learned through the preparation and performance of standard band literature at a variety of public performances. Marching, playing and music appreciation leading to college, semi-professional and amateur performing opportunities are part of the curriculum. Members of the Warrior Band are eligible to join the highly acclaimed MHS Jazz Band. The MHS Jazz Band rehearses and performs a variety of traditional, contemporary, as well as jazz-rock charts throughout the year.

Prerequisite: Warrior Band III

CONCERT CHOIR I**Course Code 0802****(9,10,11,12)****5 credits**

Students will strengthen their singing voice, collaborate with their peers, and study choral music across all time periods, including today's pop music and musical theatre. By the end of the year, students will understand basic music theory and piano, conducting, harmonizing, performance etiquette, and vocal/breathing technique. There are opportunities for solos and the potential to go on performance trips to Dorney Park, Six Flags, Rowan University, and more! There will be two large concerts a year, both in the Winter and Spring, as well as performances with the sending districts, Warrior Band, and at other Visual and Performing Arts Academy events. Participation in choir is essential for everyone going into a music-related career.

CONCERT CHOIR II**Course Code 0804****(10,11,12)****5 Credits**

This course builds upon and is a continuation of skills and concepts taught in Concert Choir I.

Students will strengthen their singing voice, collaborate with their peers, and study choral music across all time periods, including today's pop music and musical theatre. By the end of the year, students will understand basic music theory and piano, conducting, harmonizing, performance etiquette, and vocal/breathing technique. There are opportunities for solos and the potential to go on performance trips to Dorney Park, Six Flags, Rowan University, and more! There will be two large concerts a year, both in the Winter and Spring, as well as performances with the sending districts, Warrior Band, and at other Visual and Performing Arts Academy events. Participation in choir is essential for everyone going into a music-related career.

Prerequisite: Concert Choir I

CONCERT CHOIR III**Course Code 0806****(11,12)****5 Credits**

This course builds upon and is a continuation of skills and concepts taught in Concert Choir II.

Students will strengthen their singing voice, collaborate with their peers, and study choral music across all time periods, including today's pop music and musical theatre. By the end of the year, students will understand basic music theory and piano, conducting, harmonizing, performance etiquette, and vocal/breathing technique. There are opportunities for solos and the potential to go on performance trips to Dorney Park, Six Flags, Rowan University, and more! There will be two large concerts a year, both in the Winter and Spring, as well as performances with the sending districts, Warrior Band, and

at other Visual and Performing Arts Academy events. Participation in choir is essential for everyone going into a music-related career.

Prerequisite: Concert Choir II

CONCERT CHOIR IV

Course Code 0807

(12) 5 Credits

This course builds upon and is a continuation of skills and concepts taught in Concert Choir III. Students will strengthen their singing voice, collaborate with their peers, and study choral music across all time periods, including today's pop music and musical theatre. By the end of the year, students will understand basic music theory and piano, conducting, harmonizing, performance etiquette, and vocal/breathing technique. There are opportunities for solos and the potential to go on performance trips to Dorney Park, Six Flags, Rowan University, and more! There will be two large concerts a year, both in the Winter and Spring, as well as performances with the sending districts, Warrior Band, and at other Visual and Performing Arts Academy events. Participation in choir is essential for everyone going into a music-related career.

Prerequisite: Concert Choir III

JAZZ IMPROVISATION I

Course Code 0882

(9,10,11,12) 2.5 Credits

This course is designed to teach the motivated instrumentalist the art of jazz improvisation. The student will master major and minor scales and specific jazz modes. A working knowledge of jazz history is introduced as well as music theory and ear training. Standard jazz tunes are learned and performed by the class in a combo format.

JAZZ IMPROVISATION II

Course Code 0879

(9,10,11,12) 2.5 Credits

This course builds on the concepts and skills developed in the Jazz Improvisation 1 course. More advanced concepts include solo transcription, melodic dictation, jazz style along with required performance of all modes and seventh chords. Students will be expected to improvise solos on their instruments that are both stylistically and theoretically accurate to the chosen piece and time period.

Prerequisite: Jazz Improvisation I

AP MUSIC THEORY

Course Code 0885

(10,11,12) 5 credits

A full year course designed to prepare students to take the AP Music Theory Exam. Instruction will be focused on the fundamentals learned in the Music Theory class as well as more advanced concepts such as chord inversions, harmonic analysis, three- and four-part voice leading, secondary dominants, non-chord tones, and cadences. The development of aural skills is also extensively covered ie: interval identification, melodic dictation, rhythmic dictation and sight singing.

Prerequisite: Music Theory

ENTERTAINMENT TECHNOLOGY I**Course Code 0814****(9,10,11,12)****5 Credits**

Entertainment Technology I will explore the ins and outs of motion picture production, the entertainment sphere as a whole and fundamental equipment operation. This course showcases basic filming techniques, jobs/roles in production, individual and collaborative video projects and creating digital media using editing software and technological resources. Students will have the ability to learn the history of TV/Film Production as well as create novice-level short films and content for the high school.

ENTERTAINMENT TECHNOLOGY II**Course Code 0818****(10,11,12)****5 Credits**

Entertainment Technology II will explore more advanced techniques of digital media production. In this class you get a basic understanding of the business end of entertainment, the streaming wars, creating more engaging content on multiple platforms and expanding work behind the camera. Students will be using more up-to-date industry equipment while having a deeper appreciation for other aspects of production such as screenwriting, editing, lighting, audio recording, directing and film studies. This course will have a variety of methods for studio and field production.

Prerequisite: Entertainment Technology I

DIVERSITY IN TV/FILM***Course Code 0886****(10,11,12)****2.5 Credits**

Diversity in TV/Film will explore the history of race/gender/LGBTQ and cultural representation on screen. This course will cover the current nature of expansion within the film/tv industry to create a balance within on-screen and off-screen initiatives through inclusion, diversity and gender roles. This class will include screenings of culturally rich and immersive television and film while also diving into the importance of inclusivity and balance in production overall.

PODCASTING 101***Course Code 0887****(10,11,12)****2.5 Credits**

Podcasting 101 will explore the ins and outs of valuable intellectual property, modern broadcasting practices and creation of audio/video podcasting. Students will establish their inner “host” by functioning out of the MHS Studio as their very own Podcast Studio Network. In this class students can cover a multitude of topics from Sports/Entertainment Criticism, Interview Shows and MHS-centric Podcasts.

INTRODUCTION TO ACTING**Course Code 0877****(11,12)****2.5 Credits**

This course is a basic introduction to the art of acting. Students will learn a basic history of the stage, basic acting methodology, techniques, voice and stage presence. Students will also learn how to prepare for a role and develop a stage character. Students will use improvisation as a theatre technique.

ART 1**Course Code 0831****(9,10,11,12)****2.5 Credits**

Art 1 introduces the Elements and Principles of Art, the building blocks of an art work, through the exploration of different media. This class will include drawing and other 2D media usage such as pastels and paints, as well as 3D media. The course will define what each element and principle is and how it is used and recognized in an art work. An art analysis will be written on famous art works throughout the course. At the end of the course students will have had the opportunity to work with various art media while defining, recognizing and creating the Elements and Principles of Art.

FOUNDATIONS IN ART**Course Code 0850****(9,10,11,12)****5 Credits**

Foundations of Art is designed to open the student frequent opportunities to work with many art mediums. This course will allow the student to become familiar with the elements and principles of art. Exposure to various art mediums will enable the students to develop an understanding of the fundamentals of art to develop basic skills in art and to understand the visual language. This will allow the students to appreciate and understand how Art History has played a major role in the development of Art styles. By the end of the course, students will have been exposed to many different drawings, 2D and 3D projects.

CULTURAL ARTS**Course Code 0849****(9,10,11,12)****5 Credits**

Cultural Arts will enable students to be exposed to many art mediums from cultures around the world. Students will be participating in a variety of projects. Some projects included in this class will be batik, weaving, printing on fabric, mask making and art research. By the end of the course, the students will have learned the skill of handling materials, exploration of techniques, and the development of personal and individual style.

FINE ARTS**Course Code 0858****(10,11,12)****5 Credits**

Fine Arts will focus on media and composition in studio work. This course will include sketching, utilizing different medias, composition, design, and printmaking. This class emphasizes the personal investigation of methods and techniques related to acrylic painting and/or other water based media. Research on famous artists and their techniques and styles will be involved. By the end of the course, students will have been exposed to a variety of materials, and will have had the opportunity to develop techniques and personal styles.

CERAMICS**Course Code 0860****(9,10,11,12)****2.5 Credits**

This Ceramics course is designed to introduce students to various ceramic hand building processes and a working knowledge of wheel thrown pottery. Emphasis will be placed on the design elements; line, shape, texture, and color. The course will integrate the design and construction of ceramic ware using a full spectrum of artistic tools, techniques and materials. Functional as well as sculptural applications will be explored. The students will also learn surface decoration and glazing methods. Art History, Criticism, Aesthetics and Careers will be studied with a focus on Ceramics. It is also highly recommended for students with an interest in art and art related careers.

INTRODUCTION TO SCULPTURE**Course Code 0851****(9,10,11,12)****2.5 Credits**

Students who enjoy working with clay, plaster, wood, wire, found objects and mixed media will thrive in this class. Sculpture is a universal art form which challenges all of the senses in its creation and appreciation. The course concentrates on developing technical skills and artistic appreciation of successful three-dimensional artwork. Students will be introduced to sculpture techniques, combinations of media and resolution of 3-D design problems. Students will use a variety of methods, including assemblage, additive and subtractive methods, carving, manipulative methods and modeling. Creativity, craftsmanship, personal effort, critical thinking, are an intricate part of this class.

PAINTING**Course Code 0861****(10,11,12)****5 Credits**

Painting is one of the most classic and captivating forms of art. Today's designers use concepts from painting and drawing to develop exciting and new designs. Color theory and basic drawing skills are essential in an introduction to painting, along with the art history of the great painters of the past and the contemporary artists of today. By course end students will have gained a foundation centering on the elements and principles of design such as color, line, shape, texture, value, space, balance, movement and unity. Through the use of these elements and principles students will explore different techniques and emphasize the importance of visual expression through specified media such as acrylic, oil, and water color paint.

AP STUDIO ART**Course Code 0857****(11,12)****5 Credits**

The AP Studio Art course is for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition and execution in 2D design, 3D design or drawing. This course is based on a student creating a body of work that demonstrates quality, concentration and breadth. The course will meet for a full year. On the academic model, as in any college level course, students will be expected to spend a considerable amount of time outside of class to complete assignments and doing homework and sketchbook assignments. Students must take the AP exam in the spring.

***Prerequisite:* Two MHS art courses with a grade of 90 or above, portfolio review and teacher recommendation**

GRAPHIC DESIGN**Course Code 0873****(10,11,12)****5 Credits**

Graphic Design is the future of visual communication. Today's graphic designers depend on multimedia and the internet to provide exciting and new design concepts. Through the primary use of Adobe Illustrator and Photoshop students will learn to communicate ideas through the creation of logos, packaging, advertisements, and other visual media utilizing techniques in typography, illustration and photography. By course end students will have gained a foundation centering on the elements and principals of design such as color, line, shape, texture, value, space, balance, movement and unity. Through the use of these elements and principles students will explore and emphasize the importance of visual communication.

***Prerequisite:* Communications and Creative Media**

DIGITAL PHOTOGRAPHY**Course Code 0852****(10,11,12)****2.5 Credits**

In this course, students will become familiar with the skills necessary to pursue a career or hobby in digital photography. Students will learn the history behind photography and basic concepts of cameras as well as how the cameras work. Students will learn to utilize a digital camera/phone/tablet, and learn the principles of photography. Students will create and manipulate digital images using Adobe Photoshop, and learn the fundamentals of composition and design. Students will develop skills to input and export media in a variety of creative ways, create a digital portfolio and learn to communicate through the use of digital photography and multimedia processes. Students will print and display their work.

DIGITAL PHOTOGRAPHY II**Course Code 0854****(10,11,12)****2.5 Credits**

This course is designed build off of the skills learned in Digital Photography I. Students will focus on exploring more in depth camera techniques including controlling more of the manual settings. Students will focus on advanced editing techniques in Adobe Photoshop, as well as advanced lighting techniques. Students will explore increased creativity when it comes to composition and creating photographs. Students will explore further careers in photography and create a portfolio at the end of the course displaying their work.

Prerequisite: Digital Photography I

Dance Pathways

Path 1 - Experienced Dancers (Students who have formal dance training)

Year 1 – Foundations of Dance

Years 2-4 – Advanced Dance I, Advances Dance II, Advanced Dance III

Path 2 - Non-Experienced Dancers (New to dance)

Year 1 – Foundations of Dance

Years 2-4 – Dance Performance I, Dance Performance II, Dance Performance III

FOUNDATIONS OF DANCE (FORMERLY DANCE 1)

Course Code 0846

(9,10,11,12)

5 Credits

This first level of dance emphasizes the development of dance technique in various dance genres. Students are expected to strive toward a high proficiency in dance. Students will showcase their technique in multiple performance opportunities throughout the year. Students will develop self-discipline and teamwork through group movement studies and repetition. Students will also be exposed to dance history and dance terminology.

- Learn Each Dance Style
- Learn Dance Technique
- Learn Dance Genre Specific Terminology
- Learn the History of each Dance Style
- Begin to Learn Student Choreography
- Performance

DANCE PERFORMANCE I

Course Code 0847

(10,11,12)

5 Credits

Dance performance emphasizes an in-depth development of dance technique in various dance genres. Students are expected to build from their foundational skills developed in Dance I. Students will develop and refine self-disciplinary, communicative, and collaborative skills. Students will learn strengthening and condition exercises, respond and connect to dance, and create choreography. These topics will progressively build each year as students complete levels 1, 2 and 3. Students will be showcased in multiple performance opportunities throughout the year.

- Build Dance Technique
- Strengthening/Conditioning
- Collaborate
- Create Choreography
- Respond to Dance
- Connect to Dance
- Performance

Prerequisite: Foundations of Dance

DANCE PERFORMANCE II

Course Code 0848

(11,12)

5 Credits

This course builds upon and is a continuation of skills and concepts taught in Dance Performance I. Dance performance emphasizes an in-depth development of dance technique in various dance genres. Students are expected to build from their foundational skills developed in Dance I. Students will develop and refine self-disciplinary, communicative, and

collaborative skills. Students will learn strengthening and condition exercises, respond and connect to dance, and create choreography. These topics will progressively build each year as students complete levels 1, 2 and 3. Students will be showcased in multiple performance opportunities throughout the year.

- Build Dance Technique
- Strengthening/Conditioning
- Collaborate
- Create Choreography
- Respond to Dance
- Connect to Dance
- Performance

Prerequisite: Dance Performance I

DANCE PERFORMANCE III

Course Code 0866

(12)

5 Credits

This course builds upon and is a continuation of skills and concepts taught in Dance Performance II.

Dance performance emphasizes an in-depth development of dance technique in various dance genres. Students are expected to build from their foundational skills developed in Dance I. Students will develop and refine self-disciplinary, communicative, and collaborative skills. Students will learn strengthening and condition exercises, respond and connect to dance, and create choreography. These topics will progressively build each year as students complete levels 1, 2 and 3. Students will be showcased in multiple performance opportunities throughout the year.

- Build Dance Technique
- Strengthening/Conditioning
- Collaborate
- Create Choreography
- Respond to Dance
- Connect to Dance
- Performance

Prerequisite: Dance Performance II

ADVANCED DANCE I

Course Code 0819

(10,11,12)

5 Credits

The advanced dance class is designed for highly motivated dance students who will be exposed to advanced dance technique in various dance genres. Through this exploration of advanced techniques, students will build on their technical dance skills, study anatomy and kinesiology, further develop improvisational and choreography skills, build portfolios and research career opportunities in the arts. These topics will progressively build each year as students complete levels 1, 2 and 3. Students in this course will be challenged to build on their prior knowledge of dance and grow as an artist. Students will be showcased in multiple performance opportunities throughout the year.

Students must successfully complete Dance I and have teacher approval to enroll in this course.

- Learn Advanced Dance Technique
- Strengthening/Conditioning
- Respond and Connect to Dance
- Create Choreography and explore improvisation
- Learn Anatomy/Kinesiology Concepts

- Dance Career Research
- Elevate Performance Quality

Prerequisite: Foundations of Dance and have an approved teacher recommendation to enroll in this course.

ADVANCED DANCE II

Course Code 0837

(11,12)

5 Credits

This course builds and is a continuation of skills and concepts taught in Advanced Dance I.

The advanced dance class is designed for highly motivated dance students who will be exposed to advanced dance technique in various dance genres. Through this exploration of advanced techniques, students will build on their technical dance skills, study anatomy and kinesiology, further develop improvisational and choreography skills, build portfolios and research career opportunities in the arts. These topics will progressively build each year as students complete levels 1, 2 and 3. Students in this course will be challenged to build on their prior knowledge of dance and grow as an artist. Students will be showcased in multiple performance opportunities throughout the year.

Students must successfully complete Dance I and have teacher approval to enroll in this course.

- Learn Advanced Dance Technique
- Strengthening/Conditioning
- Respond and Connect to Dance
- Create Choreography and explore improvisation
- Learn Anatomy/Kinesiology Concepts
- Dance Career Research
- Elevate Performance Quality

Prerequisite: Advanced Dance I and have an approved teacher recommendation to enroll in this course.

ADVANCED DANCE III

Course Code 0839

(12)

5 Credits

This course builds and is a continuation of skills and concepts taught in Advanced Dance II.

The advanced dance class is designed for highly motivated dance students who will be exposed to advanced dance technique in various dance genres. Through this exploration of advanced techniques, students will build on their technical dance skills, study anatomy and kinesiology, further develop improvisational and choreography skills, build portfolios and research career opportunities in the arts. These topics will progressively build each year as students complete levels 1, 2 and 3. Students in this course will be challenged to build on their prior knowledge of dance and grow as an artist. Students will be showcased in multiple performance opportunities throughout the year.

Students must successfully complete Dance I and have teacher approval to enroll in this course.

- Learn Advanced Dance Technique
- Strengthening/Conditioning
- Respond and Connect to Dance
- Create Choreography and explore improvisation
- Learn Anatomy/Kinesiology Concepts
- Dance Career Research
- Elevate Performance Quality

Prerequisite: Advanced Dance II and have an approved teacher recommendation to enroll in this course.

PHYSICAL EDUCATION

Department Supervisor: Mr. Pete Cahill

PHYSICAL EDUCATION I

Course Code 0711

(9)

3.75 Credits

The Physical Education program is designed to provide aerobic and body building activities enabling all students an opportunity to achieve total physical fitness. These activities aid in the development of strength, control, motor skills, endurance stamina and coordination. Students are educated by means of physical activity. Students participate in games of competition and skill development. A sense of sportsmanship and a positive attitude toward physical conditioning are encouraged.

HEALTH I

Course Code 0721

(9)

1.25 Credits

The Health I course of study covers the area of personal health, human sexuality and chemical health education. The acquisition of knowledge, behaviors and attitudes about drugs/alcohol, smoking/nicotine, reproduction, abstinence, STD's and AIDS leads to a well-informed student capable of making sound decisions.

PHYSICAL EDUCATION II

Course Code 0712

(10)

3.75 Credits

The Physical Education program is designed to provide aerobic and body building activities enabling all students an opportunity to achieve total physical fitness. These activities aid in the development of strength, control skills, endurance, stamina and coordination. The student is educated by means of physical activity. Students participate in games of competition and skill development. A sense of sportsmanship and a positive attitude toward physical conditioning are encouraged.

HEALTH II

Course Code 0722

(10)

1.25 Credits

The Health II course of study covers the areas of driver education and chemical health education. The classroom theory approach to driver education is offered to all sophomores. Instructional units include traffic laws and regulations, stopping distances, insurance, psychology of the driver as well as the effects of substance abuse on driving. Students are administered the NJ Division of Motor Vehicles written test during this course. Successful course completion entitles students to a certificate usually accepted by insurance companies qualifying them for a discount on their policy premium.

PHYSICAL EDUCATION III**Course Code 0731****(11)** **3.75 Credits**

The Physical Education program is designed to provide aerobic and body building activities enabling all students an opportunity to achieve total physical fitness. These activities aid in the development of strength, control skills, endurance, stamina and coordination. The student is educated by means of physical activity. Students participate in games of competition and skill development. A sense of sportsmanship and a positive attitude toward physical conditioning are encouraged.

HEALTH III**Course Code 0732****(11)** **1.25 Credits**

The Health III course of study covers the area of First Aid/CPR and chemical health education. This class teaches The American Red Cross Standard First Aid course. This program is based on the use of The American Red Cross First Aid textbook and is adapted from the instructor's outline. The paramount purpose of first aid training is to acquire knowledge and skills for the emergency care of the injured victim until a physician or professional medical care person arrives. It also creates an active interest in the prevention of accidents through the elimination of causes. All participants are eligible for ARC certification.

PHYSICAL EDUCATION IV**Course Code 0741****(12)** **3.75 Credits**

The Physical Education program is designed to provide aerobic and body building activities enabling all students an opportunity to achieve total physical fitness. These activities aid in the development of strength, control skills, endurance, stamina and coordination. The student is educated by means of physical activity. Students participate in games of competition and skill development. A sense of sportsmanship and a positive attitude toward physical conditioning are encouraged.

HEALTH IV**Course Code 0742****(12)** **1.25 Credits**

Health IV covers the areas of family living. The curriculum covers family life issues and provides seniors with the opportunity to structure guidelines to improve their self-esteem, self-awareness and interpersonal skills. The class covers topics on sexually transmitted infections, birth control methods, and abstinence. The class offers guest speakers that will come in the classroom and discuss these topics. The class also provides skills and strategies needed to solve personal family conflicts and living on their own. Students will examine their readiness for relationships – marriage – and the pitfalls to avoid. Students will also engage in a budget activity and understand the importance of good credit.

OPTION II PHYSICAL EDUCATION**Course Code 0710****(10,11,12)****3.75 Credits**

The Manasquan School District encourages all pupils to participate fully in the physical education program. It recognizes, however, that some pupils are engaged in athletic, interscholastic, or other programs of vigorous physical activity, allowing for achievement of the New Jersey Student Learning Standards. Such pupils may, pursuant to rules of the State Board of Education, be excused from the required enrollment in a physical education course, while still earning physical education credit.

There are three qualifying paths: Please see school counselor for more information.

PEER LEADERSHIP I**Course Code****(11)****5 Credits**

This course for which students are recommended by classmates and staff is designed to train students to help others as peer facilitators. Participants will become more effective listeners, problem solvers, group leaders and mentors for each other. As they learn to facilitate the personal growth and development of others their own development is enhanced.

PEER LEADERSHIP II**Course Code****(12)****5 Credits**

This course builds upon and is a continuation of skills and concepts taught in Peer Leadership I. This course for which students are recommended by classmates and staff is designed to train students to help others as peer facilitators. Participants will become more effective listeners, problem solvers, group leaders and mentors for each other. As they learn to facilitate the personal growth and development of others their own development is enhanced.

SPECIAL EDUCATION

Department Supervisor: Mrs. Margaret Polak

The special education programs for classified students are offered through the Office of Special Services. Student programs are selected in collaboration with the student, parents, and the high school child study teams. The district program offerings include:

LEARNING AND LANGUAGE DISABILITY PROGRAM

The LLD Program is designed to provide students who require greater academic and social support in the core academic subjects using a modified curriculum guide. Students may be provided with vocational opportunities to acquire job related skills through the Monmouth County Vocational School.

LIFE SKILLS PROGRAM

The Life Skills Program is a small, structured learning environment for students with disabilities who require a small, individualized and modified academic setting. The central focus of the program is the study of daily living skills essential for personal independence. Through the study and application of thematically organized instructional units, students will be provided with opportunities to develop a firm foundation in adult living skills. The approach to learning is multisensory and will draw on the individual strengths and needs of the students to gain a deeper understanding of course materials. Life Skills Program activities will allow students to make connections to other disciplines, their own life and the world in general. An essential component of the Life Skills Program will be the Structured Learning opportunities embedded within the community. Community participation is essential to building confidence and empowerment, two qualities that are highly relevant to attaining personal satisfaction and a high quality lifestyle. Structured learning opportunities will foster a student's individualized goals in the pursuit of developing and mastering skills that help one live a full, productive and independent life.

IN-CLASS RESOURCE PROGRAM

The In-Class Resource Program is designed to provide support services to classified students in the general education setting in the content areas of English, mathematics, science, and social studies. Two teachers, a certified special education teacher and a content area general education teacher, work collaboratively to instruct and assist students within the classroom environment. All students are expected to meet general education curricular requirements with individualized instructional strategies and modification



ACADEMY OF ENGINEERING

Coordinator: Mrs. Amy Edwards

The Academy of Engineering (AOE) is a Manasquan High School Academy in which students have the opportunity to take courses within the field of Engineering. It is a “hands-on” student-centered Academy designed to promote creative problem solving, critical thinking, and collaboration. Academy of Engineering students will take specialized elective courses, use the Innovation Lab for personal projects, participate in field trips, as well as apply for scholarships, internships, and job-shadowing positions with local engineering firms. Students are also challenged to apply their learning and improve their leadership skills through participation in a wide range of engineering-focused service-learning projects such as the state-wide, sustainability focused STEAM Tank Challenge. Manasquan High School is excited to partner with New Jersey Institute of Technology (NJIT) for a Dual College-Enrollment Option. Utilizing NJIT’s *Options for Advanced Academic Achievement* program, Manasquan High School will provide an opportunity for qualified high school students to enroll in college level engineering courses and earn college-credits while on our high school campus.

PLTW (Project Lead the Way) Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. The program’s courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take. PLTW courses prepare students interested in engineering and construction as a career.

Pathway 1 For Students Interested in Project Lead the Way- Class of 2025

Introduction to Engineering and Design- Grade 9,10,11

Principles of Engineering (PLTW) – Grade 10,11

Pathway 2 For Students Who have not participated in Project Lead the Way but have taken engineering classes.

Fundamentals of Engineering and Design (NJIT) 2.5 Credits

Technology and Engineering Design 2.5 Credits

OR

Principles of Engineering (PLTW) – Grade 10,11

INTRODUCTION TO ENGINEERING AND DESIGN PLTW

Course Code 0862

(9,10)

5 Credits

The major focus of the course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community. The course will be the Introduction course in the Pre-Engineering strand of courses. These courses will be offered as high-level electives for students who wish to pursue Engineering in college, gain valuable experience with the integration of CAD/CAM technology with Engineering and Industrial Design. When finished the students will be able to market their skills not only in applying to colleges of their choice, but also market those skills in a growing, very competitive, global economy. The curriculum will have both horizontal and vertical articulation, matching the students’ needs and growing skills throughout their coursework. These courses will also be designed as a compliment to the current and evolving Industrial Arts program, focusing on creative, "hands-on", problem solving and craftsmanship. This blend of contemporary and traditional coursework will be designed to reach all learners and encourage students to experience both.

PRINCIPLES OF ENGINEERING (POE-PLTW)**Course Code 0864****(10,11)****5 Credits**

Principles of Engineering (POE) is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary 34 engineering course of study. Students have an opportunity to investigate engineering and high-tech career POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem-solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students will employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. Principles of Engineering is the second of three foundation courses in the Project Lead The Way high school engineering program. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Prerequisite: A grade of (≥ 80) in Introduction to Engineering Design

TECHNOLOGY AND ENGINEERING DESIGN**Course Code 0825****(10,11,12)****2.5 Credits**

This course is designed for student who are interested in engineering as a career. Students will examine engineering as process to solve real-world problems. They will investigate the entrepreneurial considerations that need to be made to implement the solutions. Students will learn the design process as well as gain insight into a business venture – the development of a business plan, financing, pricing strategies, resource utilization and marketing. (This course is part of the Academy of Engineering)

FUNDAMENTALS OF ENGINEERING DESIGN**Course Code 0832****(11, 12)****2.5 Credits**

This college-level course is offered as a dual-enrollment course so eligible students may choose to take it for two NJIT college credits. Students will be introduced to real-world engineering design problems in this course. Basic engineering topics including an introduction to design elements, engineering processes, measurements, product design and project development will be covered. Students will learn to use engineering tools for computer-aided design and simulation. Technical writing and oral presentations along with project management skills are emphasized. Students will work in teams on various open-ended engineering projects. For the NJIT enrollment option, students must have an overall grade point average of “B” or better to apply to NJIT at the beginning of the semester. Upon successful completion of the course with a grade of C or better, these students will receive NJIT credit and an NJIT transcript.

ACADEMY OF FINANCE

Coordinator: Mr. John Driscoll

Assistant Coordinator: Mrs. Linda Hoeler

Academy of Finance (AOF). The AOF is designed to prepare students with skills needed for the highly competitive business and financial services industry of the 21st Century. The main objective of the program is to prepare students for the demands of college and ultimately the work force. Classroom instruction is supplemented by guest speakers, job shadowing, internships and field trips. Additionally, AOF students can earn 15 college credits through Georgian Court University's (GCU) Course Ahead Program; three college credits for each of the five AOF classes – Introduction to Business, Accounting, Economics, Entrepreneurship, and Financial Planning. GCU's School of Business and Digital Media enjoys national accreditation from the Accreditation Council for Business Schools and Programs (ACBSP) for its undergraduate and graduate programs. These credits are accepted at most colleges and universities throughout the United States. Upon completion of the AOF program, students will receive a Certificate of Financial Studies.

BUSINESS and FINANCIAL LITERACY

Course Code 0111

(9,10,11,12)

2.5 Credits

Understanding and managing personal finances are key to one's future financial success. This course is based on the National and New Jersey State financial literacy standards and present essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earnings potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

ECONOMICS

Course Code 0353

(10,11,12)

2.5 Credits

The course covers both macro and microeconomics and provides an understanding of how our market economy functions in a global setting. It provides students with a survey of economic concepts, including all of the basic principles recommended by the National Council of Economic Education. **This three credit college level course is offered in partnership with Georgian Court University's Course Ahead Program.**

PRINCIPLES of ACCOUNTING

Course Code 0130

(10,11,12)

2.5 Credits

This accelerated program will provide the students with an introduction to accounting principles with emphasis on the business side of maintaining systematic records. This course will cover journals and the general ledger accounts payable and receivable, financial statements, bank reconciliations, and payroll. Academy of Finance advisory members and community resource speakers will be used to supplement and reinforce classroom instruction, as well as expose the students to career opportunities in this field. **This three credit college level course is offered in partnership with Georgian Court University's Course Ahead Program.**

SPORTS & ENTERTAINMENT MANAGEMENT**Course Code 0132****(11,12)****2.5 Credits**

Sports & Entertainment Management will prepare students for college level business programs and introduce them to an area of business with which they may be unfamiliar. It is designed to develop a thorough understanding of the management & marketing concepts and theories that apply to sports promotion, sponsorship, product licensing, and entertainment event management and marketing. This course highlights communication skills, distribution, marketing-information management, pricing, product/service management, promotion, selling, operations, strategic management, human resource management, and the economic impact and considerations involved in the sports and event marketing industries. It is a specialized course for students with a career interest in the fields of sports and entertainment as well as marketing. Career opportunities in the marketing cluster will be introduced, including sports agent, client-side sports, agency side sports, corporate based sports and entertainment marketing.

PRINCIPLES of ACCOUNTING II**Course Code 0131****(11,12)****2.5 Credits**

This program will provide the students with an advanced version of Principles of Accounting I with an emphasis on the business side of maintaining systematic records for a corporation. This course will cover journalizing purchases and cash payments, journalizing sales and cash receipts, posting to the general and subsidiary ledgers, accounting for payroll and payroll taxes, distributing dividends, financial statements for a corporation, and adjusting/closing entries for a corporation. Academy of Finance advisory members and community resource speakers will be used to supplement and reinforce classroom instruction, as well as expose the students to internship opportunities in this field.

Prerequisite: Accounting I**FINANCIAL PLANNING****Course Code 0135****(12)****2.5 Credits**

Students will be introduced to the financial planning process and the components of a comprehensive financial plan. They will learn how to prepare a financial plan that includes saving, investing in stocks, bonds and other securities, the proper use of credit, insurance, college and retirement planning. **This college level course is offered in partnership with Georgian Court University's Course Ahead Program.**

ENTREPRENEURSHIP**Course Code 0136****(12)****2.5 Credits**

Entrepreneurship provides the student with insight into the development and management of an entrepreneurial venture. Topics will include evaluation of a new business idea, developing a business plan, finding alternative methods of financing, managing for results, pricing strategies and management control, business ethics and marketing. **This college level course is offered in partnership with Georgian Court University's Course Ahead Program.**

ACADEMY OF HEALTH CAREERS

Coordinator: Mrs. Claire Kozic

The Rutgers University Health Science Careers Program has a broad-based interdisciplinary curriculum. The Program offers a composite of college-level, general health care, communication, and science course work. Manasquan's Rutgers University Program provides students with the potential to earn college credits while being exposed to communication and problem solving skills in the health science field. All college coursework offered by the program is afforded to the students on a tuition free basis. The overall purpose is to allow students to receive college credit and health care practitioner skills, while keeping multiple healthcare career options open to them. To participate in the Health Science Careers Program, and be eligible for college credit, students must complete the Dynamics of Healthcare in Society course and at least one other course. For the 2020-21 school year, a \$25.00 fee is required for each Health Science Careers Program Exam taken at Rutgers University.

DYNAMICS OF HEALTH CARE IN SOCIETY

Course Code 0753

(10,11,12)

2.5 Credits

This course provides an orientation to health care services and their delivery. It presents an inter-disciplinary perspective, focusing on process skills such as critical thinking, ethical reasoning, effective communication and ways to continue independent learning throughout life. The course shows how all health care providers acquire professional competence in dealing with the issues and problems they face as well as the role they play as informed consumers. This class is taught in conjunction with Rutgers University accreditation. Students have the option of being tested to obtain college credits for this course. To participate in the Rutgers University Science Careers Program at Manasquan High School, and obtain college credit, students must complete the Dynamics of Health Care in Society course, as least one other course, and complete all other course requirements.

FUNDAMENTALS OF HEALTH AND WELLNESS

Course Code 0770

(10,11,12)

2.5 Credits

This course provides a comprehensive overview of health and wellness. The impact of lifestyle choices on all aspects of personal health are discussed including physical, mental, emotional, social, and environmental. The course will explore topics related to nutrition, physical fitness, stress management, disease prevention, substance abuse, and healthy relationships. The information and skills necessary for making informed and healthful decisions to promote wellness will be discussed an emphasis on self-responsibility. This class is taught in conjunction with Rutgers University accreditation. Students have the option of being tested to obtain credits for this course.

SCIENTIFIC PRINCIPLES OF NUTRITION

Course Code 0752

(11,12)

2.5 Credits

This is an introductory course on human nutrition designed for students wanting practical information. Students will gain an understanding of the vital relationship of nutrients to health and physical fitness. Students will be able to evaluate current nutritional issues and controversies. This class is taught in conjunction with Rutgers University accreditation.

NUTRITION ACROSS THE LIFESPAN**Course Code 0795****(11,12)****2.5 Credits**

Nutrition Across the Lifespan outlines life cycle nutrition including pregnancy and lactation, infancy, childhood and adolescence, the adult and the later years. Nutrition needs at various stages of the lifespan are stressed, and additional topics include complementary and alternative medicine, hunger and the global environment, and concerns about food and water including the Servsafe® food handler course and exam. Applying the science of nutrition to the lifespan including prevention of chronic disease, food safety and biotechnology, and environmentally-friendly food choices will be explored. This class is taught in conjunction with Rutgers University accreditation. Students have the option of being tested to obtain credits for this course.

EMERGENCY CLINICAL CARE**Course Code 0765****(12)****2.5 Credits**

Sports medicine is one of the fastest growing career fields in the United States. Due to the competitive nature of this program in college, Manasquan High School will provide an opportunity to enhance the student's exposure to sports medicine and thereby increase their chances of acceptance into a college level sports medicine major. This semester length course will be taught by a certified athletic trainer and will introduce current philosophies, procedures and practices related to the prevention and care of athletic injuries. Students will be exposed to "hands on" training in the diagnosis of athletic injuries, and administration of first aid, and modern rehabilitation techniques. Successful completion of first aid and CPR will be pre-requisite for acceptance into this program. This class is taught in conjunction with Rutgers University accreditation. Students have the option of being tested to obtain college credits for this course.

MEDICAL TERMINOLOGY**Course Code 0754****(12)****2.5 Credits**

Medical Terminology is the study of words that pertain to body systems, anatomy, physiology, medical processes and procedures and a variety of diseases. It provides specialized language for the health care team, enabling health care workers to communicate in an accurate, articulate, and concise manner. This course is designed to give the students a comprehensive knowledge of word construction, definition, and use of terms related to all areas of medical science. The course includes, but it not limited to, terms related to anatomy of the human body, functions of health and disease, and the use of language in processing medical/dental records and claim forms. This class is taught in conjunction with Rutgers University accreditation. Students have the option of being tested to obtain college credits for this course.

LABORATORY ANATOMY AND PHYSIOLOGY**Course Code****(10, 11,12) 0652****5 Credits**

This lab science course is designed for students who want a more intensive study of human anatomy and physiology. The course is especially useful for students who intend to continue their educational training in a health-related field. Course emphasis is on structure, function, and interaction of the major organ systems.

NOTE: Dissections are a key component of the Anatomy/Physiology class. This class is taught in conjunction with Rutgers University accreditation.

Recommended Prerequisite: Completed Chemistry with Honors Biology or Biology (≥ 80) with a teacher recommendation

ACADEMY OF PUBLIC SAFETY

Coordinator: Mr. Tim Clayton

Assistant Coordinator: Mr. Jim Fagen

The Academy of Public Safety is a program designed to introduce Manasquan High School students to the field of emergency services. Students interested can prepare themselves for careers in law enforcement, fire service or emergency medical technician. The curriculum is designed to challenge students with various law enforcement objectives including field experiences and hands on projects. Projects include, crime scene search, identifying fingerprints, motor vehicle crash investigation, arson investigations and many other analytical methods of investigations. Graduates can receive college credits in Criminal Justice and a Special Law Enforcement Officer Class 1 certification

PUBLIC SAFETY

Course Code 0772

(10,11,12)

2.5 Credits

This course is designed to integrate the academic and applied aspects of the basic law enforcement function for a public safety officer. Included in this class is the in-depth examination of a public safety officer's duties, functions, and responsibilities, as well as a variety of other practical aspects. These include, but are not limited to, ethics, community relations, communication, patrol concepts, and other duties as they relate to the basic public service function.

This course is designed to integrate the academic and applied aspects of the advanced law enforcement function for a public safety officer. Included in this class is the in-depth examination of a public safety officer's duties, functions, and responsibilities, as well as a variety of other practical aspects. These include, but are not limited to traffic enforcement, accident investigations, fire response, terrorism, active assailants, internal affairs and other duties as they relate to the advanced police response.

CRIMINAL INVESTIGATION

Course Code 0778

(10,11,12)

2.5 Credits

This course is designed to acquaint the student with the procedures, techniques, legal concerns, and challenges associated with a criminal investigation. The course focuses on the role of the criminal investigator and emphasizes interviewing skills and legal requirements. Combining classroom lectures and practical exercises in the program allows students to better comprehend the various investigative procedures.

Prerequisite: Public Safety

INTRODUCTION TO CRIMINAL JUSTICE

Course Code 0782

(11,12)

2.5 Credits

The social and institutional response to crime is discussed topically in this interdisciplinary survey of the American Criminal Justice System. Students are required to formulate views on controversial issues and concerns such as plea bargaining, the exclusionary rule, the insanity defense and the death penalty.

This college-level course is offered as a dual-enrollment course so eligible students may choose to take it for Brookdale college credits.

INTRODUCTION TO CRIMINOLOGY**Course Code 0784****(11,12)****2.5 Credits**

Students will be introduced to the study of crime and criminal behavior. This is the only course in the program which studies the criminal rather than society's response to crime. Three different methods of measuring crime will be described; the five schools of criminological theory will be reviewed; and several different crime problems in America will be discussed. **This college-level course is offered as a dual-enrollment course so eligible students may choose to take it for Brookdale college credits.**

Prerequisite: Introduction to Criminal Justice

SLEO CLASS 1 CERTIFICATION (OFFERED BEGINNING 2018-2019)**Off Campus****2.5 Credits**

The Special Officer Class I is certified by the New Jersey Police Training Commission. This 80-hour course provides training in PR-24, handcuffing, defensive tactics, disorderly person's offenses, first aid, use of force, various patrol concepts, and ethics. Upon graduation, the student will be a PTC certified Class One Special Law Enforcement Officer. *(Students must be 18 at the time of this course, have graduated from the Academy of Public Safety and have a resolution approved by a police agency prior to being certified.)*

PUBLIC SAFETY CAREERS**Course Code 0776****(12)****2.5 Credits**

This capstone course is the conclusion of the student's Public Safety Academic experience and is the final course completed by senior students in the program. The students will demonstrate that they can successfully analyze, evaluate, and interpret issues, problems and policies confronting the public safety officer through a critical thinking, problem-solving process. This takes place in the context of a project that focuses on issues in public safety and culminates in a presentation of their findings. The students will apply knowledge and understanding in preparation for either an entry-level position in law enforcement or college studies in a related field.

Prerequisite: Public Safety and or Approval from the Public Safety Coordinator