

# **PROGRAM OF STUDIES 2025-2026**



## **Trinity High School**

**581 Bridge Street Manchester, NH 03104  
603.668.2910**

**[WWW.TRINITY-HS.ORG](http://WWW.TRINITY-HS.ORG)**

# Trinity High School is accredited by the New England Association of Schools and Colleges, Inc.

## Mission Statement of Trinity High School

Trinity High School, a Catholic, college-preparatory community, provides a safe and caring environment in which students seek and achieve personal and academic excellence and grow in faith. Our students combine learning with leadership through service to their faith, school, and community.

## A Message to Students

Throughout your school experience, you learn many skills that enable you to make suitable choices in your life. At Trinity High School, you have the opportunity to make more and more decisions about yourself in preparation for your future. You and your parents should study the options explained in this curriculum guide to decide which fits you best. Your teachers, counselors, and administrators are ready to help. Please do not hesitate to call on them for assistance.

The task of selecting courses must be given careful thought, and you must make an effort to ensure that your decisions help you to achieve your future goals. A final selection of courses should represent the best program possible for your individual needs. Your goal should be a challenging but realistic program. Once you select your courses, you should give every effort to set yourself up for success, purchase books, complete homework, and seek support when needed from your teachers, school counselor, and/or from the academic center.

As you plan your courses, you must be aware that many colleges are giving more consideration to students whose high school backgrounds include four years of mathematics and three or four years of science and who have achieved an advanced level in a world language. Please plan your program with this in mind.

You must plan carefully now to ensure that you reach your goals. Once the school year has started, changes in your program may not always be possible due to class sizes, scheduling conflicts, and the number of sections offered. **Class changes will not be made simply to put you in classes with friends or to change teachers.** We encourage you to become exposed to as many different teachers and teaching styles as possible at Trinity High School.

A careful selection should be made in the Spring 2025 Course Selection time frame, with the knowledge that no changes will be allowed after the “course change” period (first 5 days of the year for year-long courses and first 5 days of the semester for semester courses). If a student withdraws after the course change period, a W will be indicated on the transcript.

*\*Please note that courses that are under-subscribed will not be offered.*

Best to you through the course selection process,

Ms. Risdal  
Head of Academic Affairs

# TRINITY HIGH SCHOOL

## Program of Studies 2025-2026

### INTRODUCTION

The Program of Studies is a guide to help students plan their school program through graduation. As a college preparatory high school, Trinity High School offers a liberal arts program requiring students to take a minimum of six courses each semester. Our core curriculum requires students to take Theology, English, and Mathematics each year. The following guide is provided to assist in the selection of courses. The offering of a course will be determined based on the number of students enrolled in the specific course. Please note the Graduation requirements listed below.

### Graduation Requirements Class 2026 - 2030

<b>Theology</b>	<b>4</b>
<b>English</b>	<b>4</b>
<b>Mathematics</b>	<b>4</b>
<b>Lab Science</b>	<b>3</b>
<b>Social Studies (*)</b>	<b>3</b>
<b>World Language</b>	<b>2</b>
<b>Fine Arts (Art or Music)</b>	<b>0.5</b>
<b>Computer Science**</b>	<b>0.5</b>
<b>Physical Education***</b>	<b>1.0</b>
<b>Electives</b>	<b>3</b>
<b>Total</b>	<b>25</b>

\*The US History requirement may be fulfilled with the following courses: Advanced Placement US History or US History

- Civics (.50) is required
- Economics or Finance (.50) is required
- World History (1.0) is required
- U.S History or AP History (1.0) is required

\*\* Computer Science (.50) can be fulfilled by taking Computer Science, Robotics Design, Computer Programming, or CAD, Digital Design.

\*\*\*Physical Education requirement may be fulfilled by participation in three (3) seasons of a school sport, 1.0 total VLACS PE credit or 1.0 credit of an approved outside activity.

**Course Sequences - Example. For illustrative purposes, outlining required classes -- not all electives are listed.**

Class	Grade 9	Grade 10	Grade 11	Grade 12
<b>English</b> 4.0 Required for Graduation	CP/H English 9	CP/H Amer Lit	CP/H World Literature AP English Language	CP/H British Literature AP English Literature
<b>Math</b> 4.0 Required for Graduation	CP Pre-Algebra CP/H Algebra 1 CP/H Geometry H Alg II Trig (invitation)	CP Algebra I CP/H Geometry H Alg II/Trig H Pre-Calc	CP Geometry CP Algebra II H Alg II/Trig CP/H Pre-Calc AP Calculus AB (invitation)	CP Alg II CP/H Pre-Calculus CP or EC Statistics EC Quantitative Reasoning AP Calculus AB (invitation) AP Calculus BC (invitation)
<b>Science</b> 3.0 Required for Graduation	CP/H Biology	CP/H Chemistry CP Conceptual Chem (rotating years)	CP/H Physics CP Physics CP Conceptual Physics (Rotating) Elective: EC Anatomy and Physiology H Adv. Chem EC Nutrition EC Medical Terminology	Elective: All noted under Grade 11 H Adv. Bio (AP Test) (invitation) EC Anatomy and Physiology CP/H Physics (if not taken previously) H Adv. Chem EC Nutrition EC Medical Terminology
<b>Social Studies</b> 3.0 required for Graduation (Please see Economics Requirement below)	CP/H American Civics and Government (semester)	CP/H World History CP/H Economics H M. World (semester)	CP/H US History AP US History CP/H Electives	Elective: AP Gov and Pol (invitation) AP Comp Gov (invitation) AP Psych (invitation) Other CP/H Electives
<b>World Language</b> 2.0 Required for Graduation	CP/H Lang 1 H Language 2	CP/H Lang 2 CP/H Language 3	Elective: CP/H Lang 3 (elective) H Language 4 (elective)	Elective: H Language 4 (Elective) AP Spanish V
<b>Theology</b> 4.0 Required for Graduation	CP Old Testament CP/H New Testament	CP/H Intro. To Catholicism CP/H Creedo	CP/H Catholic Social Teaching CP/H Christian Anthropology	CP/H World's Religions CP/H Apologetics
<b>Fine Art</b> .50 Required for Graduation	Art Studio/Band/Choir (not leveled)	Art Studio I or II, Drawing and Painting, Digital Design, EC Digital Illustration, Photography	Art Studio I or II, Drawing and Painting, Digital Design, EC Digital Illustration, Photography	Art Studio I or II, Drawing and Painting, Digital Design, EC Digital Illustration, Photography
<b>Economics or Finance</b> .50 Required for Graduation		<i>CP/H Economics (semester)</i> <i>EC Personal Finance</i>	<i>CP/H Economics (semester)</i> EC Personal Finance	<i>CP/H Economics (semester)</i> <i>EC Personal Finance</i>
<b>Business Electives</b>		<i>EC for all: Intro to Business, Marketing, Personal Finance, Entrepreneurship</i>	<i>EC for all: Intro to Business, Marketing, Personal Finance, Entrepreneurship</i>	<i>EC for all: Intro to Business, Marketing, Personal Finance, Entrepreneurship</i>
<b>Computer Science</b> .50 Required for Graduation Robotics, Computer Programming and CAD meets this requirement	Second Semester as a 7 <sup>th</sup> course	EC Robotics Design CP Computer Science (semester)	EC Robotics Design H Comp. Program. CP Computer Science (semester) EC Intro to Engineering EC Computer Automation	EC Robotics H Comp. Program. CP Computer Science (semester) EC Intro to Engineering EC Computer Automation
<b>Physical Education</b> 1.0 Required for Graduation effective for class of 2025 and beyond .50 Required for Graduation for class of 2024 and 2025	Physical Education (3seasons of JV or varsity sports, 1.0 (total) VLACS approved PE credit or two .50 credits of an approved activity)	Physical Education (3 seasons of JV or varsity sports, 1.0 (total) VLACS approved PE credit or two .50 credits of an approved activity)	Physical Education (3 seasons of JV or varsity sports, 1.0 (total) VLACS approved PE credit or two .50 credits of an approved activity)	Physical Education (3 seasons of JV or varsity sports, 1.0 (total) VLACS approved PE credit or two .50 credits of an approved activity)
<b>Credits</b>				<b>25 Total</b>

\*Taking Computer Science, Robotics Design, Computer Programming, and Computer Automation or Engineering counts towards the Computer Science required .50 credit.

# ACADEMIC INFORMATION & REQUIREMENTS

## Course Loads, Credits, and Class Levels

Students are expected to challenge themselves academically during each of their four years at Trinity. Therefore, all students are required to be enrolled in six credit-bearing courses each semester.

Students generally graduate in four years, provided they have earned the minimum number of credits required. Seniors must complete all requirements for graduation in order to receive their high school diploma and participate in graduation exercises.

## Course Designations

All students at Trinity High School are engaged in rigorous and relevant work to prepare them for their future. Students work on developing their reading, writing, problem-solving, and research skills both inside and outside the classroom. Students at all levels are to be active learners, communicators, problem solvers, and contributors. Students are expected to apply what they learn to real-world situations. Courses are designated as follows:

### Course Level Descriptions

#### Advanced Placement (AP):

In accord with the requirements of the College Board, these courses provide students with a comprehensive curriculum which is developed by Collegeboard and is subject to change. "AP courses give students access to rigorous college-level work. AP students build confidence and learn the essential time management and study skills needed for college and career success." (<https://apstudents.collegeboard.org/> ) These courses require extensive independent study and work outside the classroom. Students who select Advanced Placement courses should possess highly developed reading, writing, speaking, listening, and study skills. Advanced Placement courses strictly adhere to the guidelines established by the College Board and prepare students for the Advanced Placement exam in the spring. Students taking an Advanced Placement course are required to take the Advanced Placement exam for the course. *Students are expected to pay the fee in the fall for each exam they take. The fee for the 2025 exam was \$98 per exam.* This is set by the College Board and subject to change.

A prerequisite for Advanced Placement course enrollment will be an assessment of the student's work in all prior Honors level courses. The Advanced Placement curriculum is rigorous and fast-paced. Students are expected to complete extensive outside assignments.

*\*Students take these courses by invitation and will receive a letter of invitation before course selection.*

*\*\*Because the policy of awarding credits or advanced standing varies among colleges, it is important for students to inquire at their colleges of interest.*

The following Advanced Placement courses may be offered at Trinity High School:

<ul style="list-style-type: none"><li>● Advanced Biology (for the AP Test)</li><li>● Calculus AB &amp; BC</li><li>● English Language &amp; Composition</li><li>● English Literature &amp; Composition</li><li>● Comparative Government</li></ul>	<ul style="list-style-type: none"><li>● Psychology</li><li>● Spanish Language &amp; Culture</li><li>● United States History</li><li>● Government &amp; Politics</li></ul>
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### **Early College (Dual Enrollment Courses with Manchester Community College) (EC):**

Students who are sophomores, juniors, and seniors and are enrolled in this program may earn concurrent high school and college credit, with colleges ascribing to the Early College Credit program. Trinity High School has partnered with Manchester Community College to offer dual enrollment courses at Trinity High School. Early College classes are taught by Trinity faculty credentialed by the college program as part of Trinity's daily schedule. Students will register at the start of the course with Manchester Community College and will earn college credits through the university system for EC courses.

### **Honors (HON):**

Students enrolled in Honors courses are expected to have an excellent command of reading, writing, and research skills, and be able to work independently whenever necessary. Honors courses cover advanced content with a focus on deeper analysis of material. These courses also explore advanced content with a focus on deeper analysis of material. Honors courses move at a fast pace and involve additional hours of work outside of class.

They should excel in comprehension and application of concepts. Critical thinking in the areas of analysis, evaluation, and synthesis of ideas is required. *In order to continue enrollment in an Honors level course, students must maintain a "C" average in the prerequisite course. Students who wish to move from CP to Honors must have maintained an "A" average in a prerequisite course and receive departmental approval.*

### **College Prep (CP):**

College preparatory courses are available in all disciplines. Courses are open to all students. These courses are structured in content and concept. These courses are designed for students who learn fairly rapidly and have a good command of reading, writing, and research skills. Students are expected to have the ability to master problems dealing with memorization, comprehension of concepts and application of materials. Students will work toward the development of more in-depth critical thinking skills.

### **Course Overload:**

Students have the opportunity to take a seventh class provided that they demonstrate a thorough justification for the additional class(es). Students taking classes beyond the prescribed six must demonstrate that they are capable of maintaining success while sacrificing one or both study halls. Students taking additional classes must remain in all classes that they enroll.

**Extended Learning Opportunities** Extended Learning Opportunities (ELOs) provide multiple ways for students to learn outside the classroom. Students in the junior and senior years can earn pass/fail only credit toward high school graduation elective credit only to satisfy the 6<sup>th</sup> or 7<sup>th</sup> selections. Examples include independent studies that do not satisfy core requirements, certificate programs that lead toward certification, and **online courses not offered by Trinity**. Interested students should consult with their school counselor. Contract agreements will need to be submitted for approval by the Administration.

## NH State Scholars Initiative

The NH State Scholars Initiative is part of the National State Scholars Initiative Network, a national and state program designed to encourage and motivate students to complete a rigorous course of study while in high school. Colleges across the country recognize New Hampshire as one of many states with a State Scholars Initiative. This is a Federal grant-funded program developed and administered through a partnership between the New Hampshire College and University Council, the New Hampshire Forum on the Future, and the National State Scholars Initiative Network. Students may follow the standard NH Scholars pathway, or may opt for an emphasis in either STEM or Art or Career Pathway strand (highlighted below). Each pathway requires that students take specific courses as shown in the chart below.

**Criteria for the NH State Scholar Career Pathway may be found at:**

<http://www.nhscholars.org/career-pathway/>

The NH Scholars Program will recognize these seniors with a medallion, which may be worn at graduation. Seniors who are Pell grant eligible in the college financial aid process may also receive a higher grant due to being a State Scholar. For more information about the NH Scholars Program please go to [www.NHscholars.org](http://www.NHscholars.org) and see the NH Scholars Pathways chart beneath the Diploma, Coursework, and Credits Chart.

### NH Scholars Pathways

<b>Standard Core Course of Study</b>	<b>STEM Course of Study</b>	<b>Art Course of Study</b>
<ul style="list-style-type: none"> <li>● 4 years of English</li> <li>● 4 years of Math</li> <li>● 3 years of Lab Science</li> <li>● 3.5 years of Social Studies</li> <li>● 2 years of the same World Language</li> </ul>	<ul style="list-style-type: none"> <li>● 4 years of English</li> <li>● 4 years of Math</li> <li>● 4 years of Science (3 labs)</li> <li>● 3.5 years of Social Studies</li> <li>● 2 years of the same World Language</li> <li>● 1 year (min.) STEM-related</li> <li>● Minimum 3.2 GPA</li> </ul>	<ul style="list-style-type: none"> <li>● 4 years of English</li> <li>● 4 years of Math</li> <li>● 3 years of Lab Science</li> <li>● 3.5 year of Social Studies</li> <li>● 2 years of the same World Language</li> <li>● 2 years (min) Arts-related</li> <li>● Minimum 3.2 GPA</li> </ul>
<p><b>Career Pathway Course of Study</b></p> <p>To qualify for a Career Pathway, students must <b>successfully complete one of the following:</b></p> <ul style="list-style-type: none"> <li>○ Approved NH CTE Program, Industry-Aligned or Career-Driven Extended Learning Opportunity, All Sequence Components in Formal Career Pathway Program of Study (JSRHS pathways are outlined in Appendix A), or CCSNH Industry Certificate Sequence</li> <li>○ Successfully engage in a Work Based Learning Experience</li> <li>○ Successfully earn one of the following: College Credits, Industry Valued Recognized Certificate, or Postsecondary Hours</li> </ul>		

## REGISTRATION & SCHEDULING PROCEDURES

### Procedure For Course Selection

Registration for all students will begin early in the second semester. All students will have access to the Program of Studies online, under the Academic section of the Trinity High School Website.

- Review the information in the Program of Studies and consult with parents, teachers, and school counselor to discuss your selections. Based on this review and future educational plans, select courses that are of interest and are appropriate for your future goals. Be mindful of graduation requirements!
- For each course selected, students must satisfy any prerequisite for taking that course.
- The master schedule is created based upon student requests for specific courses. Administrators review the requests and make decisions about the number of sections that will run for each course; therefore, student selections during spring registration are considered to be final, as they are used to make informed decisions that create the master schedule. It is important to select courses thoughtfully. Please note that courses run only when the minimum enrollment has been met.
- Students will receive an official schedule no later than the first day of school.

### Schedule Changes

Courses selected during registration are considered final selections. Students are given sufficient time and assistance in making choices and are expected to make a full commitment to each course selected. Because the master schedule is created based upon students' requests, it will be very difficult to make changes without negatively impacting other students. The following list suggests when course changes may be appropriate:

- The student has not fulfilled the prerequisite for the course.
- The student has been placed in the incorrect class.

**“Not liking” a class, teacher preference, and/or wanting to have late arrival or early dismissal are not sufficient reasons for changing classes.**

### Withdrawing from a Course

Schedules are final except in the following cases:

#### **Withdrawing from a Course:**

- Once the class has begun the student has 5 school days, during our add/drop period to change a course. After 5 school days, the student will receive the designation of “W”(withdrawn) on their permanent transcript.
- All withdrawal forms will require parent/guardian and school counselor signatures since the result will be recorded on the student's transcript.
- In the instance when a student does withdraw from a course, current grades follow the student to the new course.

#### **Level Change**

- Level changes are defined as changes between College Preparatory, Honors, Early College and AP courses.
- Level changes will be based on seat availability.
- Electives that must be dropped in order to change levels or accommodate a required schedule change will not be reflected on the transcript.



## COURSE DESCRIPTIONS

*The following courses are offered for the 2025-2026 Academic Year.*

### Business Electives

All of the courses below allow students to dual enroll with Manchester Community College and earn both high school credit and early college credits (EC)

#### Statement of Purpose:

The Business Department focuses on courses that introduce students to the role of businesses in their lives. Exploration of topics includes basic economics, international business/relations, social responsibility, ethics, how to organize and start a business, entrepreneurship, management operations, personal finance, and marketing. These courses are a great introduction for students interested in joining DECA.

#### **9910 Introduction to Business (EC)**

**0.5 Credit**

**Grades 10-12**

This course is designed to teach students business skills that can be used in daily life and in preparation for further business studies. This class provides an exciting overview of the world of business. We will emphasize the importance of the economy, owning and operating a business, small business influences, and buying goods and services. Individual and group assignments will be assigned. This course is intended for students who wish to learn more about business industries and what they have to offer. Dual Enrollment Opportunity with Manchester Community College

#### **9911 Marketing (EC)**

**0.5 Credit**

**Grades 10-12**

Would you like to write a Super Bowl commercial, design a logo for a new product, or create a social media campaign for your favorite company? Marketing is an introductory course designed for students who are interested in learning and applying the marketing strategies and tactics used in the world's most successful companies. In addition, communication, interpersonal, and technology skills will be developed. Creative, hands-on projects and collaborative activities are an integral part of this course. Dual Enrollment Opportunity with Manchester Community College

#### **9913 Entrepreneurship**

**(EC)**

**0.5 Credit**

**Grades 10-12**

This course gives students comprehensive knowledge in the development and management of small businesses. Sales, production, personnel management, and financial management are examined from the point of view of the small business entrepreneur or manager. Using case studies, students will be introduced to effective techniques for: starting a business; obtaining loans; hiring and supervising employees; marketing products and services; and dealing with legal issues and regulations. Using concepts and techniques learned from the course, students will also create and develop a business plan for a real or fictitious organization of their choice. Dual Enrollment Opportunity with Manchester Community College.

#### **9914 Personal Financial Management (EC)**

**0.5 Credit**

**Grades 10-12**

Provides the student with an effective learning experience in personal finance, with an emphasis on helping students make sound financial decisions in the areas of budgeting, insurance, taxes, credit, investment, real estate, and retirement planning. *This course satisfies the NH State Economics requirement.* Dual Enrollment Opportunity with Manchester Community College

## COMPUTER SCIENCE & TECHNOLOGY

### Statement of Purpose:

The objective of Computer Science is to prepare students to work with business-level information technology as they complete their academic tasks.

### Goals and Objectives:

The general goals and objectives of the Computer Applications curriculum are:

1. Students should develop a professional (though age-appropriate) level of competency with commonly used computer applications.
2. Students should learn to incorporate information technology into their planning and completion of school assignments.
3. Students should develop an investigative approach to computer applications to empower them to become lifelong learners in this area.

### Courses:

#### **7740 Computer Science (CP)**

**0.5 Credit**

**Grades 10-12**

#### **Prerequisite: None**

**9<sup>th</sup> grade students can take this course during second semester**

**NOTE: This course satisfies the .5 credit requirement for computer science.**

The Computer Science course is a semester-long exploration into a few basic concepts associated with the field of computer science. The first third of the course will cover the internet, starting with how the internet works. Later topics to be covered focus on digital citizenship, privacy, and online etiquette. The final third of the semester is spent learning the Google APPS. This is a hands-on course.

#### **7706 Robotic Design (EC)**

**0.5 Credit**

**Grades 10-12**

#### **Prerequisite: Algebra II/Dept. Approval**

**NOTE: This course satisfies the 0.5 credit requirement for computer science and students are eligible for Early College Credit.** Robotic Design is a semester-long course focused on the programming of operating systems for small robots. It is a brief introduction to mechatronics. The course is a series of projects built around the Vex Robotics kit and a compatible programming platform. Students build and program robots to perform various tasks autonomously. Projects are done in cooperation with the instructor, yet students must adhere to strict deadlines. Robotic Design is for students interested in engineering or technology as a career. Robotic Design cannot be used to satisfy a science requirement and is recommended to be taken as a 7th course of instruction. Dual Enrollment Opportunity with Manchester Community College.

#### **7707 Computer Automation (HON)**

**1.0 Credit**

**Grades 11-12**

#### **Prerequisite: Robotics Design and Department Approval**

**Automation (HON) 1.0 Credit Grades 11-12 Prerequisite: Robotics Design and Department Approval.**

Automation is a year-long science course in robotics and automation. The curriculum is designed for students seriously considering a career in engineering or technology. Automation is a project-based, hands-on pre-engineering course built around the Vex Robot and Microsoft's Virtual Studio platform. Students work in small groups of 2 or 3 on projects that require mechanical and programming solutions. The course covers the design process, research and ideation, creation and testing of prototypes, along with programming the operating systems of robots. Students are required to keep a detailed engineering notebook. The projects are done in cooperation with the instructor, but students must adhere to strict deadlines. Computer Automation cannot be used to satisfy a science requirement, and it is recommended to only be undertaken as a 7th course of instruction.

**7735 Introduction to Engineering Design and Solid Modeling (EC) 0.5 Credit Grades 11 & 12**  
**Prerequisite: Algebra II and Department Approval**

*NOTE: This course satisfies the .5 credit requirement for computer science.*

This is a semester-long course in product design. Students will learn the fundamentals of drafting along with the basic tools of the SolidWorks CAD platform. The early stages of the coursework will deal with hand drafting sketches. Dimensioning of sketches introduces the basic drafting rules. A gradual introduction of SolidWorks tools will build the student's ability to create virtual 2D and 3D models. After a few months, students are ready to take on assemblies, where parts are created and put together to create an assembly. This is an Early College course and is intended for students interested in a career in drafting, engineering, or other scientific fields. Dual Enrollment Opportunity with Manchester Community College.

**7737 Advanced Computer Aided Design (HON) 0.5 Credit Grades 11 & 12**

**Prerequisite: Intro to Design and Solid Modeling, and Department Approval.**

Advanced Computer Aided Design is a semester-long course in product design. Students will review the fundamentals of drafting using the tools in the SolidWorks CAD platform. The objective of this course is to prepare students for the CWSA certification test. There are 33 practice parts which bring the student from simple extrusions to feature patterning and sweeps. Next, there are 10 design problems that are exam level models. These are very similar to the design found on the Exam. Lastly, there are 5 practice Assemblies, which involve part creating and combining the parts into a complete mechanism. Near the end of semester students will take the CSWA exam. This Honors level course is intended for students interested in a career in engineering and/or other scientific fields.

**7701 Introduction to Computer Programming (HON) 0.5 Credit Grades 11 & 12**

**Prerequisite: Algebra II/Trig. and Department Approval**

*NOTE: This course satisfies the 0.5 credit requirement for computer science.*

The Introduction to Computer Programming course is a semester long investigation into the fundamentals of computer programming and computational thinking. Students will be learning how to use a popular programming language, such as Java Script or Python. This course is intended to be a project-based, computational problem-solving class. Students work on a series of projects that lead through the process of solving problems, coding, and debugging. The course introduces the basics of programming such as variables, variable types, loops, strings, functions, conditional statements, assignments, arrays, and read/write inputs. The projects are completed in cooperation with the instructor, yet students must adhere to the strict deadlines. This course is for students who may be interested in computer science but are not certain.

**7702 Advanced Computer Programming (HON) 0.5 Credit Grades 11 & 12**

**Prerequisite: Introduction to Computer Programming and Department Approval (Offering Course 2025-26)**

The Advanced Computer Programming course is a semester-long continuation of Python programming but with larger, more realistic, data sets. The course explores graphing and visualization of big data, as well as statistical manipulation of the data. This is essentially a data science course. Projects are done in cooperation with the instructor, yet students must adhere to strict project deadlines. This course is designed for students seriously interested in computer science and coding. This course will be offered for the 2025-2026 school year.

**7780 Digital Design (CP) 0.5 Credit Grades 10-12**

**Prerequisite: Art Studio I**

**Adobe Creative Suite with marketing and advertising design processes.**

*NOTE: This course satisfies the .5 credit requirement for computer science.*

This Graphic Design curriculum is a comprehensive semester long course split into beginner and intermediate learning. Students engage in learning digital design using Adobe Photoshop and Illustrator and iMovie. We practice small exercises using new digital tools and keyboard shortcuts. Students keep a black binder for their work, step by step worksheets and a usb drive for storing digital work. The second half of the semester students work in business

teams and learn marketing and advertising with real life projects and clients. Additionally, students will work on developing the Yearbook. This team-oriented class builds theme development, design, reporting and photography. Students will still build the yearbook through Josten's easy to follow template program, photograph school activities, sports and class events. Students can add this to their college resume as an extracurricular activity along with gaining needed elective credits. Computer Programs: Google Chrome, Adobe Creative Suite (Illustrator, Photoshop, and UIX Web), Jansen Yearbook Avenue, and Imovie.

#### Key Topics

Advancement of the following: Design Process: Research, Brainstorming, Thumbnails, Sketch, Elements & Principles of Digital Design, Typography and Page organization. Shape, Positive and Negative Space, Pictorial Space, Atmospheric/Aerial Perspective, CMYK RGB(Hue, Value, Saturation, Temperature), Spatial Depth and Linear Perspective, Photography and Photo Book Making, Stop Motion and Short Film Making, Critique, Assessment & Exhibition, History of Graphic Design and Vocabulary, Technology, Online Portfolios & Galleries.

## **ENGLISH**

### **Statement of Purpose:**

The English Department focuses primarily on communication to prepare our students for the realities and challenges of society. To develop communication skills, our students must learn to read carefully, think critically, speak clearly, and write effectively.

### **Goals and Objectives:**

The students will expand their vocabulary, apply grammar concepts, develop critical thinking skills, and experience the link between subject content and its application to societal issues through the study of literature.

### **Courses:**

#### **2206 English 9 (CP)**

**1 Credit**

**Grade 9**

#### **Prerequisite: None**

This year-long course is designed to support students in developing their reading, writing, and thinking skills and to engage students in all areas such that they develop increasing desire, confidence, ability and fluency. Students will develop their skills and expertise in the building blocks of reading and writing: comprehension, critical thinking, vocabulary, grammar and mechanics, the research process, MLA format and citation style. Students will study various genres of literature and the elements of each. Students should expect to write frequently, read daily, and engage in both formal and informal class presentations.

#### **2207 English 9 (HON)**

**1 Credit**

**Grade 9**

#### **Prerequisite: Dept. Approval via grade and placement test**

This year-long course is designed to support students in developing their reading, writing, and thinking skills and to engage students in all areas such that they develop increasing desire, confidence, ability and fluency. Students will develop their skills and expertise in the building blocks of reading and writing: comprehension, critical thinking, vocabulary, grammar and mechanics, the research process, MLA format and citation style. Students will study various genres of literature and the elements of each. Students should expect to write frequently, read daily, and also engage in both formal and informal class presentations. Students enrolled in the honors section should be avid readers, exhibit a command of written expression in the areas of fluency, form, and mechanics, and demonstrate depth of critical thinking.

**2234 American Literature (CP)****1 Credit****Grade 10****Prerequisite: *English 9***

This course surveys American literature from its beginning in the 17th century to present day. Primary focus will be on critical analysis of literature and include a rigorous program of independent reading (including poetry, short-stories, fiction, non-fiction, and drama), writing (including formal essays of analysis and research), and speaking (including presentations). The primary goal of this course is to develop students' reading and critical thinking skills through class discussions, writing assignments, and projects.

**2235 American Literature (HON)****1 Credit****Grade 10****Prerequisite: *English 9 (HON)***

This course surveys American literature from its beginning in the 17th century to present day. Primary focus will be on critical analysis of literature and include a rigorous program of independent reading (including poetry, fiction, non-fiction, and drama), writing (including formal essays of analysis and research), and speaking (including presentations). The primary goal of this course is to develop students' reading and critical thinking skills through class discussions, writing assignments, and projects. Students enrolled in the honors section should be exceptionally motivated and be prepared to consistently demonstrate the ability to achieve a high degree of academic success through independent reading, writing, and speaking.

**2224 World Literature (CP)****1 Credit****Grade 11****Prerequisite: *American Literature***

This course will focus on literature from around the world. Students will learn how culture influences thought and the written word while comparing and using these ideas in their discussions and writing. Research and analysis will play a major role in this course as students develop an awareness of the roots of our global society and come to a better understanding of our fellow human beings.

**2225 World Literature (HON)****1 Credit****Grade 11****Prerequisite: *American Literature (HON)***

This course will focus on literature from around the world. Students will learn how culture influences thought and the written word while comparing and using these ideas in their discussions and writing. Research and analysis will play a major role in this course as students develop an awareness of the roots of our global society and come to a better understanding of our fellow human beings. Students enrolled in the honors section should be exceptionally motivated and consistently demonstrate the ability to achieve a high degree of academic success.

**2233 AP English Language & Composition (AP)****1 Credit****Grade 11****Prerequisite: *Invitation***

Unlike a literature-based course, the AP English Language and Composition course will focus on writing and rhetoric and the tools and strategies writers employ to convey their messages to their particular audiences. Primary attention will be paid to nonfiction texts. Students will be expected to engage in close reading and analysis. In addition, students will be expected to compose and craft their own writing, with a focus on content, purpose, and audience. A writing- and reading-intensive course, this course is purposely designed to help students both master the content and successfully prepare for the AP English Language and Composition exam. Thus, this class requires a serious commitment by the student.

**2230 British Literature (CP)****1 Credit****Grade 12****Prerequisite: *World Literature***

This chronological study of English literature covers the Anglo-Saxon Period through the twentieth century with an emphasis on Shakespeare and the English novel. Extensive reading, critical writing, and analytical discussions will center on a thematic approach. History, culture, the lives of the authors, and their influence on society will be

emphasized. In addition to the literature, basic English skills will be reviewed, including fundamentals of grammar and composition leading to a research paper.

**2231 British Literature (HON)**

**1 Credit**

**Grade 12**

**Prerequisite: *World Literature (HON)***

This course is for the highly motivated student who has the proven ability to write and read at the college level. This course covers the Anglo-Saxon Period through the twentieth century with an emphasis on Shakespeare and the English novel. The course will feature seminar-style discussions, with an emphasis on student participation and direction, and independent study through enrichment activities. College level writing assignments will include response papers, essays of literary analysis, and a research paper. Multimedia projects will enhance the student's understanding of the history and culture and of England.

**2232 AP English Literature and Composition (AP)/(EC)**

**1 Credit**

**Grade 12**

**Prerequisite: *Invitation***

***Students taking this course will also be able to dual enroll in MCC, College Composition II***

In accord with the requirements of the College Board, this intensive full year class will provide students with a comprehensive overview of English Literature. The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

**2244/2245 Creative Writing (CP/HON)\***

**0.5 Credit**

**Grade 10-12**

**Prerequisite: None**

In this writing course, writers will explore the creative process, study a variety of genres and subjects as inspiration, and develop their own writing style through experimentation. The class will experience periods of sustained writing, have opportunities to discuss their own writing and read the writing of their peers, and learn how to edit and polish their writing for publication. While the focus of the course will be on poetry and short story writing, much of the course content and assessments will be tailored to students' individual interests and goals. The course will explore various elements of journalism as well as the effects of mass media on contemporary issues. For example, projects might include writing a play, novella, memoir, or a collection of short stories or poems and/or articles for potential publication in local newspapers.

**\*This course is an elective and does not satisfy the student's English graduation requirement. This course is open to all ability levels.**

**2277/2278 Public Speaking (CP/HON)\***

**0.5 Credit**

**Grade 10-12**

**Prerequisite: None**

In today's increasingly visual and digital world, the art of effective communication is critical. Students in this course will develop the confidence and skills to deliver both planned and extemporaneous speeches, utilizing appropriate multimedia support. Students should expect to deliver a variety of speeches to audiences ranging from peers to faculty and even community members. While the course will be interactive and activity-based, students should note that they will be expected to craft written drafts in preparation of delivering their own speeches. Students will also be expected to research, read, listen to, and analyze speeches and presentations.

**\*This course is an elective and does not satisfy the student's English graduation requirement. This course is open to all ability levels.**

# FINE ARTS

## Statement of Purpose:

A healthy cultural arts program moves us from the aesthetics of classic civilizations to an understanding and appreciation of today's multigenerational and multicultural societies. It is important that students receive a strong foundation of the visual arts and music that also support their self-expression and our history. Courses in a variety of art topics as well as chorus and band, nurture technical, creative and performance skills. These are the skills that students will need as lifelong learners and contributors to human wellness, to the betterment of the human condition.

## Goals and Objectives:

Through Chorus and Band, students will learn to appreciate music, understand music theory, and execute works by classic, contemporary and liturgical composers. Student Visual Artists will engage in the works of the art history masters, the contribution of The Church as patron and inspiration, and the unique works that can emerge through self-expression. All Fine Arts students will demonstrate a command of their areas of study through performances (Chorus, Band and Drama) and visual art shows throughout the year. Outside exhibits and competition opportunities are available for student participation.

## Courses:

### 8860 Art Studio I (CP)

0.5 Credit

Grades 9-12

#### Prerequisite: None

*Elements and Principles of design, art history and art making.* Designed for students beginning their study of art on the high school level, *Studio Art I* will focus on fundamental drawing skills, color theory, and basic concepts, media, and techniques. This course will expose students to a variety of media and develop the skills for further art study. This course begins with an investigation in the visual language through close observation of the environment. Students will learn to utilize the elements and principles of art and design in their own work. Key Topics:

Elements & Principles of Art & Design, Line, Contour, Expressive Line Shape, Positive and Negative Space, Form, Cross-Contour, Gesture Drawing, Value & Contrast Color (Hue, Value, Saturation, Temperature), Spatial Depth and Linear Perspective, Pictorial Space, Atmospheric/Aerial Perspective, Three-Dimensional Form, Collage/Printmaking, Critique, Assessment & Exhibition, Art History, Contemporary Art Technology, Online Portfolios & Galleries **Band and Choir carry pass/fail weight only and do not calculate into a student's GPA. because of this Art Studio I does not calculate into a student's GPA.**

### 8861 Art Studio II (Hon)

0.5 Credit

Grades 10-12

#### Prerequisite: Art Studio I

Designed for students continuing their art study while in high school, Studio Art II will focus on independent art-making and creative growth while learning advanced drawing skills, color theory, sculpture, and printmaking. This course covers the next level of artmaking, applying new techniques and applications learned in Art Studio 1. Homework will focus on art history and introducing students to processing and researching information.

### 8863 Digital Illustration I (EC)

0.5 Credit

Grades 10-12

#### Prerequisite: Art Studio I and/or Computer Science

Students will learn how to visualize and create like a professional illustrator by combining imagination with real-life visual reference. Students experiment with various drawing techniques while working both traditionally and digitally. Students learn and develop drawings for commercial applications such as magazine covers, posters, and book illustrations. Students learn the history of Illustration, cartooning, animation, and popular culture. Programs include Procreate, CorelDraw, and Sketchup. This course is for students who want a computer science or art credit or are interested in building a digital portfolio. Dual Enrollment Opportunity with Manchester Community College.

**8873 Drawing and Painting (CP)****0.5 Credit****Grades 10-12****Prerequisite: Art Studio I**

Drawing and painting is focused on applying and creating in 2 dimensional media. Students will continue to explore the elements and principles of art, current and past practicing artists through learning stylized techniques by the masters of different art movements. A variety of 2-dimensional media will be explored including but not limited to, pencil, charcoal, pastels, acrylics, watercolors, etc. Key Topics:

Elements & Principles of Art & Design, Line, Contour, Expressive Line, Shape, Positive and Negative Space Form, Cross-Contour, Gesture Drawing, Value & Contrast, Color Theory and Mixing Color in different mediums Spatial Depth and Linear Perspective, Pictorial Space, Atmospheric/Aerial Perspective, Direct Observation Study Landscapes, Portraiture, Critique, Assessment & Exhibition, Art History and Symbolism

**8878 Advanced Drawing and Painting (HON)****0.5 Credit****Grades 10-12****Prerequisite: Drawing and Painting**

Student artists will fine-tune their drawing and paintings with featured demonstrations and guest artists, working their way toward a college-entry portfolio. Students will develop a plan of action, choosing a theme or medium in which to work and by the end of the course, present a final collection of 12-15 artworks that include observational works as well as personal expression works current trends will support processes and production. Exploration of artists, art history and in a studio-based learning environment.

**7780 Digital Design (CP)****0.5 Credit****Grades 10-12****Prerequisite: Art Studio I****Adobe Creative Suite with marketing and advertising design processes.***NOTE: This course satisfies the .5 credit requirement for computer science.*

This Graphic Design curriculum is a comprehensive semester long course split into beginner and intermediate learning. Students engage in learning digital design using Adobe Photoshop and Illustrator and iMovie. We practice small exercises using new digital tools and keyboard shortcuts. Students keep a black binder for their work, step by step worksheets and a usb drive for storing digital work. The second half of the semester, students work in business teams and learn marketing and advertising with real life projects and clients. Key Topics:

Advancement of the following: Design Process: Research, Brainstorming, Thumbnails, Sketch, Elements & Principles of Digital Design, Typography and Page organization. Shape, Positive and Negative Space, Pictorial Space, Atmospheric/Aerial Perspective, CMYK RGB(Hue, Value, Saturation, Temperature), Spatial Depth and Linear Perspective, Photography and Photo Book Making , Stop Motion and Short Film Making, Critique, Assessment & Exhibition, History of Graphic Design and Vocabulary, Technology, Online Portfolios & Galleries.

**8864 Photography, Media & Film (CP)****0.5 Credit****Grades 10-12****Prerequisite: Art Studio I and Digital Design**

In this dynamic, hands-on production course, students will explore the exciting world of photography and filmmaking through the lens of modern mobile technology. Using camera and tablet apps alongside editing tools available on mobile devices, students will learn how to produce professional-quality, short-form videos that are ready to post on social media platforms, film festivals, or for commercial use.

**Key Topics**

- **Mobile Filmmaking:** Dive into how filmmakers use mobile tools combined with traditional filmmaking techniques to create compelling content for commercials, short films, and social media.
- **Practical Production:** Get your hands on real production work, using cameras, tablets, and mobile apps to shoot and edit video.
- **Studio & Natural Lighting:** Learn the importance of lighting in film, both in the studio and on location, and how to use it creatively to enhance your projects.



- **Advanced Camera Techniques:** Gain experience with advanced camera operations, from manual settings to professional framing and composition.
- **Image Sequencing:** Understand how to create a narrative through sequencing images, an essential skill in both photography and film production.
- **Adobe Photoshop Basics:** Learn essential tools for image processing, retouching, and creating collages in Photoshop to enhance your visual storytelling.
- **Fun & Accessible:** This course is perfect for students looking to experiment with photography and filmmaking using tools they already own, while having a lot of fun in the process.

### **8822 School Choir (CP)**

**0.5 Credit**

**Grades 9-12**

**Pass/Fail Only**

**Prerequisites: None**

**\*Although this is a 0.5 credit course, it meets for the entire year.**

The Choir program offers students a unique opportunity to explore music as both an art form and a means of spiritual expression. Students will develop their vocal talents, learn about the history and theory of music, and have opportunities to apply their skills through participation in Mass, concerts, social engagements, and community events. This program is not only about learning to sing but about using one's voice to praise God and contribute meaningfully to the community. Additionally, it fosters teamwork, discipline, and leadership through shared experiences. This course will introduce students to basic skills in vocal technique, choral tone, sight-reading, basic music theory, and performance techniques. Music style will focus on liturgical music as one of the major tenets of the school choir is to provide music for school worship services. Students will also explore the Catholic and religious nature of the liturgical pieces. As time permits, secular music will be added in for special events and circumstances. Students are required to attend all concerts, liturgical services, and special events.

**The school choir is a 7th course of instruction in grades 10-12 and can be used to satisfy the fine arts requirement during Grade 9. This course is not calculated into the GPA.**

### **8830 Band (CP)**

**1 Credit**

**Grades 9-12**

**Pass/Fail Only**

**Prerequisite: At least one year of study on instrument or teacher approval.**

Band is open to all students who have been playing their instrument for at least a year. Instruction will emphasize rhythmic reading, music theory and phrasing. Assessment will be based on a student's effort at rehearsals and a quarterly performance review. Students are required to perform in several concerts during the year and several Pep band performances during basketball season.

**Band is a 7th course of instruction in Grades 10-12 and can be used to satisfy the fine arts requirement during Grade 9. This course is not calculated into the GPA.**

## **PHYSICAL EDUCATION**

### **Statement of Purpose:**

Physical education is designed to provide students with a well-rounded perspective of the total physical, mental, and social development of the individual. The program is designed to promote a healthy lifestyle, growth, physical fitness, and to help contribute to social and personal values.

### **The general goals and objectives of the physical education department are:**

To promote proper health and fitness through physical activity.

To gain basic knowledge and understanding of rules and strategies of various sports, games and activities.

To realize the importance of developing sportsmanship, teamwork, self-esteem and self-confidence.

**Graduation effective for the Class of 2025 and beyond:** Physical Education 1.0 Credit Required.

(3 seasons of JV or varsity sports, 1.0 (total), VLACS approved PE credit or 1.0 credits or an approved activity).

# MATHEMATICS

## Statement of Purpose:

Mathematics is the language of science, technology, business, and a key component of a STEM education. In order to contribute to the real world, all students must be fluent in this language. The Mathematics Department strives to develop basic mathematical proficiency in all students, reaching beyond mere computational ability to strengthen problem solving and critical thinking skills.

## Goals and Objectives:

The general objectives of the mathematics department are:

1. To develop competency in basic mathematical skills.
2. To enable students to utilize their mathematical skills in problem solving.
3. To develop an awareness in students to distinguish between relevant and irrelevant data.
4. To encourage logical, critical and analytical thinking with a strong sense of intellectual curiosity.
5. To demonstrate the applications of mathematical techniques to the solution of real-life problems and to recognize how and when to apply those techniques.

## Courses:

### 4401 Pre-Algebra (CP)

1 Credit

Grade 9

#### Prerequisite: Dept. Approval

This class will review the basic operations of arithmetic on whole numbers, fractions and decimals. These operations will be used in dealing with ratio, proportions, percent, simple geometry and algebra. As students master these basic concepts, they will move into basic algebra. Students will be expected to understand basic operations with integers, rational numbers, and real numbers; the use of variables; properties of numbers and of equality; solving equations, exponents, polynomials; and problem-solving.

### 4402 Algebra I (CP)

1 Credit

Grade 9-10

#### Prerequisite: Dept. Approval

This course is designed to introduce the student to the concepts of algebra. Topics include: the real number system; the addition, subtraction, multiplication and division of variable expressions, including fractions; exponential notation; linear and quadratic equation solving; graphing linear equations; factoring; solving linear inequalities; solving two-variable systems of equations and inequalities; an introduction to functions and relations; and the development of problem-solving skills and real-world applications. Throughout this course, the correct solution process is considered as important as the correct solution.

### 4403 Algebra I (HON)

1 Credit

Grade 9

#### Prerequisite: Dept. Approval via grade and placement test

In this course, students will learn the properties of the real number system and apply the processes of addition, subtraction, multiplication and division to variables, polynomials, rational expressions and radical numbers. Linear and quadratic equations and inequalities will be solved using a variety of techniques including factoring and the quadratic formula. Students will construct algebraic proofs. Critical thinking and the application of mathematics to real world situations will be emphasized. Throughout this course, the solution process is considered as important as the correct solution.

### 4410 Geometry (CP)

1 Credit

Grade 10-11

#### Prerequisite: Algebra I

This course is designed to give the student an introduction to the vocabulary, postulates and theorems of Euclidean geometry. The topics will include: lines, angles, polygons, circles, solids, congruence, similarity and inductive and deductive reasoning. This course will introduce the student to the concept of proof.

**4411 Honors Geometry (HON) 1 Credit Grade 9-10**

**Prerequisite: Algebra I (HON) Dept. Approval Dept or via grade and placement test**

This course is designed to give the student an in-depth introduction to the vocabulary, postulates and theorems of Euclidean geometry. The topics will include: lines, angles, polygons, circles, solids, congruence, similarity, geometric probability, coordinate geometry, and right triangle trigonometry. In addition to stressing inductive and deductive reasoning, emphasis will be placed on the concept of proof. Students desiring to “double up” Honors Geometry and Algebra II/Trigonometry need to have a year average of “A” in Algebra I Honors and receive departmental approval.

**4420 Algebra II (CP) 1 Credit Grade 11-12**

**Prerequisite: Geometry**

This course introduces the student to a systematic study of numbers, from natural through radical and complex, and their operations. Topics include: matrices; linear and quadratic equations and inequalities; systems of equations and inequalities; and polynomial functions and their graphs.

**4421 Algebra II/Trigonometry (HON) 1 Credit Grade 9 – 11**

**Prerequisite: Honors Geometry or Dept. Approval or via grade and placement test**

This course is designed to introduce the student to a systematic study of sets from natural numbers through complex numbers. Topics to be studied include: analytic geometry, radicals, conics, relations, and polynomial functions including exponential, logarithmic and trigonometric functions as well as real world applications of these concepts. Linear, quadratic, polynomial, rational, radical, exponential, logarithmic, and trigonometric equations and inequalities will be solved using a variety of techniques.

*\*Students desiring to “double up” Honors Geometry and Algebra II/Trigonometry need to have a year average of “A” in Algebra I Honors and receive departmental approval.*

**4422 Pre-Calculus (CP) 1 Credit Grade 12**

**Prerequisite: Algebra II C or better and Dept. Approval**

This course is designed to introduce the student to advanced topics in algebra and contains a strong focus on trigonometry. Topics to be taught include: Factoring and solving linear, quadratic, rational, radical and polynomial equations as well as graphing their functions, trigonometry, exponential and logarithmic functions, conic sections, and introduction to statistics and data analysis.

**4423 Honors Pre-Calculus (HON) 1 Credit Grade 10-12**

**Prerequisite: Algebra II/Trig (HON)**

This course is designed to introduce the student to advanced topics in algebra and trigonometry. Topics studied will include: matrices; vectors; solving triangles; polynomial, rational, exponential, logarithmic and trigonometric functions; trigonometric graphs, equations and identities; probability, statistics, and data analysis; sequences and series; polar coordinates; the fundamental theories of algebra; and an introduction to calculus. Real world applications of these concepts will be emphasized.

**4426 Quantitative Reasoning (EC) 1 Credit Grade 12**

**Prerequisite: Algebra II and/or Department Approval**

***Students taking this course will also be able to dual enroll in MCC, Quantitative Reasoning***

This course is designed to review the concepts of algebra and geometry that will be needed for the SAT. This course will also introduce the student to advanced topics in algebra as well as real world math concepts encountered in personal finances. This course is designed to expose the student to a wide range of mathematics topics. Problem solving and critical thinking skills, along with the use of technology, will be emphasized and

reinforced throughout the course as the student becomes actively involved solving applied problems. Topics to be covered include Set Theory, Logic, Number Theory and Systems, Equations and Functions, Personal Finance, Geometry and Measurement, Probability and Statistics, and selected subtopics related to the student's major field of study.

#### **4438 Honors Calculus (HON)**

**1 Credit**

**Grade 12**

##### **Prerequisite: Honors Pre-Calculus**

This course is designed to introduce the student to basic concepts of differential and integral calculus. One will learn to differentiate and integrate various functions including polynomial, trigonometric, logarithmic, and exponential functions. With extensive independent study, a student could take the Advanced Placement Exam in May.

#### **4445 AP Calculus AB (AP)**

**1 Credit**

**Grade 11-12**

##### **Prerequisite: Invitation**

In accord with the requirements of the College Board, this intensive full year class will provide students with a comprehensive overview of Calculus. This course is designed to prepare the student for the Advanced Placement test given in May. The student will learn to use analytical, graphical and numeric methods to analyze various functions including polynomial, trigonometric, logarithmic, and exponential functions. These methods will incorporate the use of differentiation and integration - central topics of AB Calculus.

#### **4446 AP Calculus BC (AP)**

**1 Credit**

**Grade 12**

##### **Prerequisite: Invitation**

Calculus BC is an extension of Calculus AB rather than an enhancement. In addition to the topics reviewed from Calculus AB, students will be introduced to extended integration techniques, infinite series and sequences, polar curves, logistic models, and parametric functions. The course will culminate with the students taking the AP Calculus BC exam in May. Students taking the AP Calculus BC exam will receive an AB Calculus subscore in addition to a BC Calculus score.

#### **4442 Honors Statistics (EC)**

**1 Credit**

**Grade 12**

##### **Prerequisite: Algebra II/Trig or Dept. Approval**

*Students taking this course will also be able to dual enroll in MCC, Statistics.*

In Honors Statistics four major themes will be explored – exploratory analysis, planning a study, probability, and statistical inference. Exploratory analysis of data uses graphical and numerical techniques to study patterns and departures from patterns. Data must be collected according to a well-developed plan for information to be valid. Probability is the tool used for anticipating what the distribution of data will look like under a given model. Statistical inference guides the selection of appropriate models. This class emphasizes analysis as much as computation, therefore a calculator capable of statistical analysis is mandatory. Calculator application relies upon the TI – 83 or the TI – 84. **Students who anticipate studying calculus in college, should not take this course in lieu of Pre-Calculus.**

#### **4444 Statistics (CP)**

**1 Credit**

**Grade 12**

##### **Prerequisite: Algebra II**

Statistics will cover the same topics as Honors Statistics but students will not be assessed in the rigorous standards of the Honors Statistics course. Although computational skills are important to succeed in the study of statistics the emphasis in this course will be the analysis of the information. **Students who anticipate studying calculus in college, should not take this course in lieu of Pre-Calculus.**

## SCIENCE

### Statement of Purpose:

The purpose of the Science Department is to combine specific skills characteristic of science with an understanding of the relationship of science and technology to other aspects of human activity. Science is presented as a dynamic process of inquiry rather than a static accumulation of facts, thus becoming a valuable aid toward developing solutions to complex problems.

### Goals and Objectives:

In presenting its curriculum, the science department strives to achieve the following goals:

1. To develop the capability to reason analytically and quantitatively.
2. To instruct students in the mode of inquiry of science: a cycle of hypothesis, prediction, and experimental tests.
3. To acquaint students with the fascinating study of the natural world.
4. To help the students discover their own interests and potentials and thereby promote a more positive self-concept.
5. To provide students with a background to help make informed decisions as responsible citizens in a technical world.

### 3311 College Biology (CP)

1 Credit

Grade 9

#### Prerequisite: None

This course will introduce students to the scientific study of living things. Students will be challenged to develop critical thinking skills and will apply those skills to various life processes. The first semester will cover the basics of biochemistry, organic chemistry, cell biology, and cell division. The second semester will be devoted to the study of genetics, including DNA, animal structure and function, which will include topics in human anatomy and physiology and health. The connection to evolution will be covered, analyzed, and explored.

### 3312 College Biology (HON)

1 Credit

Grade 9

#### Prerequisite: Dept. Approval

This course will introduce students to the scientific study of living systems. Students will be challenged to develop and practice critical thinking skills as they apply to biological topics. First semester topics will emphasize biological evolution, scientific inquiry, biochemistry, molecular and cellular biology and plant biology. Second semester topics will include genetics, ecology, human anatomy and physiology with a focus on the study of the body systems and how they related to human health and reproduction (embryology).

### 3342/3343 Advanced Biology (HON/AP)

1 Credit

Grade 11-12

#### Prerequisite: College Biology (HON)

*Students taking this course will also be able to dual enroll in MCC, College Biology I & II.*

Advanced Biology will continue to build upon the foundation established in College Biology (and Anatomy and Physiology), whose concepts will be expanded upon and further developed. This course will also investigate topics not previously encountered such as: cell to cell communication, eukaryotic gene expression, DNA technologies, medical and research technologies, plant biology, and ecology topics to name a few. This course is recommended for students considering careers in the sciences or who have a strong interest in the subject. **Students interested in receiving AP weighting must sign up for the AP Biology exam in the fall and take the exam in the spring.**

### 3303 College Chemistry (HON)

1 Credit

Grade 10

#### Prerequisite: Biology (HON) & Algebra I (HON) C or better in Alg. I (HON)

This course is designed to introduce students to the foundation topics in college chemistry and will serve as a preparatory course for more advanced topics in Advanced Chemistry. At this level students should exhibit a high

level of proficiency in math skills and in reading, verbal and composition skills. The course will emphasize the use of critical thinking skills and will utilize lab experiences to reinforce both the course content and the use independent reasoning skills. This lab-intensive course is designed to allow the student to explore chemistry in preparation for college. This course focuses on areas of investigation include periodicity, chemical bonding, chemical reactions, etc. Emphasis will be placed on an interpretive method of investigation utilizing process skills such as observing, organizing, analyzing, and graphing. Laboratory experiences are designed to familiarize students with chemical reactions and to develop skills in using laboratory equipment.

### **3320 College Chemistry (CP)**

**1 Credit**

**Grade 10**

#### **Prerequisite: College Biology & C+ or better in Alg. I**

This course is designed to introduce students to chemistry and will serve as a college preparatory course in chemistry. Students learn concepts and exercise math skills that are needed to understand basic chemistry concepts through classroom laboratory investigations, demonstrations, and discussions. The course will be predominantly lab-based covering a breadth of topics from the scientific method to the composition, structure, and properties of matter and the changes matter undergoes during chemical reactions. Although this course is largely conceptual, some basic mathematical principles will be explored, necessitating strong but basic math skills. This course is designed for students who are interested in the sciences and desire an exposure to chemistry and its relevance to science.

### **3322 Advanced Chemistry (HON)**

**1 Credit**

**Grades 11 - 12**

#### **Prerequisite: College Chem. (HON) & C or better in Geometry (HON)**

This course will involve a detailed introduction to the principles of chemistry. Including scientific measurement, physical & chemical properties of matter, chemical bonding, writing of formulas, naming of compounds, chemical reactions, atomic structure and quantum theory. The application of mathematics to theory and laboratory experimentation is emphasized. This class is designed for students who plan to take chemistry or related science courses in college. Emphasis will be placed on an interpretive method of investigation utilizing process skills such as observing, organizing, analyzing, and graphing. Laboratory experiences are designed to familiarize students with chemical reactions and to develop skills in using laboratory equipment.

### **3324 Conceptual Chemistry (CP)**

**1 Credit**

**Grades 10 - 11**

#### **Prerequisite: College Biology, Dept. Approval**

This course is designed to make chemistry accessible to students and prepare them for higher level chemistry. Conceptual Chemistry awakens the curiosity and enthusiasm for learning in students by providing a more hands on and applied approach to conceptual chemistry ideas. By doing exciting experiments, students can relate to chemistry in their daily lives. Conceptual Chemistry makes chemistry engaging and challenging and builds skills for any introductory college level science course.

### **3339 Conceptual Physics (CP)**

**1 Credit**

**Grades 11 - 12**

#### **Prerequisite: Algebra I, Dept. Approval**

This course is designed to make physics more accessible to students and prepare them for higher level physics. Conceptual Physics awakens the curiosity and enthusiasm for learning in students by providing a more hands on and applied approach to conceptual physics ideas. By doing exciting experiments, students can relate to physics in their everyday lives. Conceptual Physics makes physics engaging and challenging and builds skills for any introductory college level science course will cover the conceptual material typically taught in a full year college physics class, with simple algebraic formulas.

**3329 Human Anatomy and Physiology (EC) 1 Credit Grades 10-12**

**Prerequisite: College Biology (HON)**

*Students taking this course can also dual enroll in MCC, Anatomy & Physiology.*

Human Anatomy and Physiology is a lab course designed for those who plan careers in biological or health-related areas. It involves a detailed study of the structure and function of the human body. Labs will include the dissection of a preserved mammal. Topics include biochemistry, cytology, histology, and various body systems. especially in the areas of histology, immunology, and endocrinology. The student will be expected to apply higher levels of critical reasoning to the classroom discussions and to testing tools. More extensive consideration will be given to diseases and organ system dysfunction. Emphasis is placed on preparing students for careers in nursing, medicine, and other health-related science careers. **Students anticipating taking Advanced Biology and the AP Biology Exam are strongly encouraged to complete Human Anatomy and Physiology their junior year.**

**3331 Human Anatomy and Physiology (CP) 1 Credit Grades 10-12**

**Prerequisite: College Biology**

This course builds upon concepts covered in introductory College Biology and narrows in focus to specifically the human body. Intended for students interested in learning about anatomical terminology, body tissues and basic systems, this course will explore anatomy, physiology and the related health consequences of disease. Through class discussion as well as various activities and laboratories, students will develop proficiency in inquiry, observation, and analysis.

**3340 College Physics (CP) 1 Credit Grades 11-12**

**Prerequisite: Completion of Alg.II. with a C or better average**

This course is designed for the average student interested in exploring everyday phenomena from the sub-fields of mechanics and electromagnetism. Mechanics deals with the study of motion and the influence of force on motion. In particular, a detailed study of Newton's Laws will be undertaken. Electromagnetism is one of the fundamental forces of nature. The nature of the electron and electricity will be investigated first, and gradually evolve into magnetism. An emphasis will be placed on problem solving and the use of formulas associated with physics. Ultimately, the student will gain a greater appreciation of the world around them and will look at everyday phenomena as extraordinary.

**3341 Honors Physics (HON) 1 Credit Grades 11-12**

**Prerequisite: C or better in (HON) Algebra II/Trig and concurrently enrolled in Pre-Calc.**

This course is for the accelerated student seeking an understanding of how the world works. Honors Physics is a lab-based exploration of everyday phenomena using fields for Classical Mechanics and later, electromagnetism. Mechanics deals with the student of motion and the influence of forces in motion. A detailed study of Newton's Laws, momentum, and energy will be undertaken. Electricity will be gradually introduced, beginning with the nature of the electron. Batteries and Circuits will be covered in a hands-on fashion. The school year will end with a study of magnetism and electromagnetic induction.

The goal of Honors Physics is to dismantle the natural world into abstract concepts in order to understand how things work. There will be a strong emphasis on problem solving and the mathematics associated with deriving formulas and applying the principles of physics. This course is designed for the student who is not considering a degree in science, medicine or engineering, but plans to major in the liberal arts, humanities, or business

**3344 Medical Terminology (EC) 1 Credit Grades 11-12**

**Prerequisite: Biology**

*Students taking this course will also be able to dual enroll in MCC, College Medical Terminology*

Provides the ability to communicate in a professional, effective manner in a variety of healthcare settings. Through a realistic approach, students learn the rules for building and defining medical terms, the correct pronunciation and spelling of medical terms and the application of medical terminology as it relates to each body system. Introduces

various types of medical records and reports and provides the skills to read and interpret them. A variety of activities guide the student in the application of medical terminology as it relates to the clinical world.

### **3345 Nutrition (EC)**

**1 Credit**

**Grades 11-12**

**Prerequisite:** *Biology*

***Students taking this course will also be able to dual enroll in MCC, College Nutrition, with lab***

A study of normal and medical nutritional therapy, including the digestion, absorption, transport, and metabolism of the macro and micronutrients throughout the life cycle. Covers nutritional assessment and care plan processes for various medical nutritional therapies, including cardiac, diabetes, stress disorders, various feeding routes and energy and weight management. A series of laboratory experiences designed to enhance and reinforce the concepts studied in the Nutrition course.

## **SOCIAL STUDIES**

### **Statement of Purpose:**

The basic purpose of the Social Studies Program is to have students develop knowledge, understanding and skills necessary to become informed and caring citizens.

### **Goals and Objectives:**

1. To provide the historical foundation essential for an understanding of the political, social, cultural and economic forces shaping modern society.
2. To develop basic study skills, critical thinking, oral and written communication and research methodology.
3. To promote an appreciation of the worth and dignity of all individuals and encourage an active concern for their welfare.
4. To prepare the students to act rationally and responsibly as citizens in a democratic society.

House Bill 157:1, effective July 1, 2023, requires students to pass a locally developed competency assessment in civics and pass the naturalization examination developed by the 2020 United States Citizen and Immigration Services with a 70 percent or better to graduate from high school. School districts will be required to submit the results of both tests to the NH DOE by June 30th of each year.

**Civics Test:** Students in their freshman year will be required to take the 128 question civics test developed by USCIS. Students are required to answer a minimum of 90 questions correct (70%). This will be tracked locally by the school and reported to the NH DOE.

### **Courses:**

#### **6628 American Government and Civics (CP)**

**0.5 Credit**

**Grade 9**

**Prerequisite: None**

Over the course of the semester students will examine the structures, purpose, process and functions of government; through history and today, in the United States, New Hampshire, and the world. The main focuses of this course are the 3 Branches of the U.S. Government, the U.S. Constitution, local & state laws, individual rights & responsibilities of citizens; and the government's interactions with society, the economy, the environment and the American psyche.

***Student Final Exam will embed the N.H. Civics Assessment Standards.***



**6629 American Government and Civics (HON) 0.5 Credit Grade 9**  
**Prerequisite: Dept. Approval**

Over the course of the semester students will examine the structures, purpose, process and functions of government; through history and today, in the United States, New Hampshire, and the world. The main focuses of this course are the 3 Branches of the U.S. Government, the U.S. Constitution, local & state laws, individual rights & responsibilities of citizens; and the government's interactions with society, the economy, the environment and the American psyche. The expectations of this course will be above and beyond that of a normal course. Students of this class will be expected to produce excellence on all forms of assessment which will range from quizzes, tests, small papers; to worksheets and group work. *Student Final Exam will embed the N.H. Civics Assessment Standards.*

**6601 World History (CP) 1.0 Credit Grade 10**  
**Prerequisite: None**

This course will provide an analytical study of the history of humanity from early civilizations up to the modern era. Emphasis will be placed on the fundamentals of political, economic, cultural and intellectual developments. Along with emphasizing reading and writing skills, special emphasis will be placed on analyzing sources, studying primary and secondary sources, and recognizing causation and relationships in history.

**6602 World History (HON) 1.0 Credit Grade 10**  
**Prerequisite: (HON Social Studies)**

This course will provide an analytical study of the history of humanity from early civilizations up to the modern era. Throughout the semester, students will be required to demonstrate a working knowledge of the material through the writing of critical essays and analyzing source material. Focus will also be placed on utilizing and analyzing primary sources as a means of critically evaluating the history of the time period studied.

**6650/6651 Economics (CP/HON) 0.5 Credit Grades 10-12**  
**Prerequisite: *Sophomores taking this need a minimum C average in civics.***

This course will the fundamental concepts of economics and philosophies through the study of Adam Smith, Karl Marx and John Maynard Keynes. An overview of micro- and macroeconomics will develop an understanding of larger economic theory. Units will focus on taxes, retirement, loans and credit, banking, checking and savings, employment and insurance as well as law of scarcity, price determination, inflation and monopoly. This course requires the student to actively participate in class discussions and will culminate with the student developing a personal finance plan.

**6603 World Geography (CP)\* 0.5 Credit Grade 11-12**  
**Prerequisite: None**

*\*This is an elective class and does not satisfy the World History Graduation Requirement.*

World Geography is a systematic study of the environment and human societies including landform development, climate, ecology, culture, politics, history, and state relations. The course will explore the importance of these relationships and the ways in which they are interconnected.

**6633 Modern World History (HON)\* 0.5 Credit Grade 11-12**  
**Prerequisite: (HON Social Studies)**

*\*This is an elective class and does not satisfy the World History Graduation Requirement.*

This course focuses on how humans interact with one another and the environment around them in the current day. Classes will consist of analysis of events happening right now in t will be covered included: human-environment interaction, the different cultures of the world today and how they interact with the United States; and geo-political relations at-large. Students of this class will be expected to produce excellence on all forms of assessment which will range from quizzes, tests, small papers; to worksheets and group work, the United States and around the world.

**6610 US History (CP)****1.0 Credit****Grade 11****Prerequisite: None**

Covering US History from its foundations up through the 20th Century with emphasis on NH historical impacts. Students will go more in depth than simple memorization, the focus of this course is to develop analytical skills. Evaluation of source material including primary and secondary sources, along with reading, writing and the awareness of the relationship between events and ideologies are the major goals of the course.

**6611 US History (HON)****1.0 Credit****Grade 11****Prerequisite: (HON) Social Studies**

Covering US History from its foundations up through the 20th Century with emphasis on NH historical impacts. Students will be expected to demonstrate an analytical knowledge of history, evaluate source material including primary and secondary sources, and be able to independently conduct thorough research. Students should be able to connect themes and events across time, and understand historical, political, and cultural causation.

**6615 AP US History (AP)****1.0 Credit****Grade 11****Prerequisite: Invitation**

In accord with the requirements of the College Board, this intensive full year class will provide students with a comprehensive overview of United States history (up until 1980) with a major focus on analyzing and interpreting that history. In addition to extensive reading, daily Document Based Questions, and other class work, students will complete weekly analytical papers and bi-weekly tests in preparation for the demanding AP US History exam. The pace and structure of this course is purposely designed to help students both master the content and successfully prepare for that exam. Thus, this class requires a serious commitment by the student.

**6620 Psychology (CP)****0.5 Credit****Grade 12****Prerequisite: None**

This course will introduce students to the foundation principles of psychology. Students will develop an understanding of many of the theories and theorists that are credited with creating and changing how we look at human behavior and thought. Students will gain a greater understanding for their own capacity for growth. Topics explored will include the mind-body connection, behavior and change, consciousness, human development, addiction, and mental illness. Students will develop an understanding of how good mental health, resiliency and empathy are developed. Students will further develop their reading, writing and discussion skills.

**6622 Psychology (HON)****1 Credit****Grade 12****Prerequisite: Honors Social Studies**

Students will experience an in-depth and fast-paced coverage of the foundation topics in psychology. Students will examine the effects of physiology, perception, states of consciousness, learning, memory, and cognitive abilities on human behavior. Students will analyze human development, emotions and stress, personality theories and abnormal behavior.

**6623 AP Psychology (AP)****1 Credit****Grade 12****Prerequisite: Invitation**

In accord with the requirements of the College Board, this intensive full year class will provide students with a comprehensive overview of Psychology. Students will examine the effects of physiology, perception, states of consciousness, learning, memory, and cognitive abilities on human behavior. Students will analyze human development, emotions and stress, personality theories and abnormal behavior. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. The pace and structure of this course is purposely designed to help students both master the content and successfully prepare for the AP Exam.

Thus, this class requires a serious commitment by the student. The fee for the 2022 exam was \$96 per exam. This is set by the College Board and subject to change.

### **6630 Sociology (CP)**

**0.5 Credit**

**Grade 12**

#### **Prerequisite: None**

This course focuses on the study of the people within their social context. Students will become aware of the socialization process and how it relates to the culture, in general, and American culture. Students will understand the elements of social stratification and how it impacts individuals and society as a whole. Students will begin to recognize the relationship between private problems and public issues. Students will be building their skills in: reading, writing, discussion, and statistical analysis.

### **6624 AP US Gov't and Politics (AP)**

**0.5 Credit**

**Grade 12**

#### **Prerequisite: Invitation**

In accord with the requirements of the College Board, this one semester class will provide students with an overview of the facts, concepts, and theories of American government. Throughout the year, students will engage in six main topics: the Constitutional structure of the government; political beliefs and behaviors; political parties, interest groups, and mass media; government institutions; public policy; and civil rights and civil liberties. This class requires a serious commitment by the student. The pace and structure of this course is purposely designed to help students both master the content and successfully prepare for the AP Exam. Thus, this class requires a serious commitment by the student. The fee for the 2022 exam was \$96 per exam. This is set by the College Board and subject to change.

### **6625 AP Comparative Gov't and Politics (AP)**

**0.5 Credit**

**Grade 12**

#### **Prerequisites: Invitation**

In accord with the requirements of the College Board, this one semester class will provide students with an overview of major comparative political concepts, themes, and generalizations. Throughout the year, students will engage in six main topics: Introduction to Comparative Politics; Sovereignty, Authority, and Power; Political Institutions; Citizens, Society, and the State; Political and Economic Change; and Public Policy. Six countries form the core of the course: China, Great Britain, Iran, Mexico, Nigeria, and Russia. This class requires a serious commitment by the student. The pace and structure of this course is purposely designed to help students both master the content and successfully prepare for the AP Exam. Thus, this class requires a serious commitment by the student.

## **THEOLOGY**

### **Statement of Purpose:**

The Theology program is to educate students in the Catholic Faith based on the foundation of the Hebrew and Christian Scriptures and the doctrinal development of the Catholic Church. Students will be challenged to live out Gospel values spiritually, morally, justly, ethically, and joyfully.

### **Goals and Objectives:**

The general goals and objectives of the Theology Department are:

1. To witness God's Salvation throughout Old and New Testament Scripture.
2. To observe the development of Christ's salvific mission throughout Scripture.
3. To develop an understanding of Catholic liturgy and the Liturgical significance of the Mass and the Seven Sacraments of the Church with a focus on the Eucharist as the Source and Summit of our Christian Life (Lumen Gentium, no. 11; cf. CCC, 1324).

4. To encourage the development of moral character that encourages students to not only know what is good but to act accordingly.
5. To foster ecumenical and interfaith understanding, dialogue, and tolerance.
6. To instill a passion for solidarity, peace, liberty, and justice.

**Honors: Students will be able to contract for honors in all courses below after completing Theology 9A. The administration, school counselor, teacher, students, and parents will sign the honors contracts and agreements during the first week of school.**

**Courses:**

**1101 Theology 9A**                                  **Old Testament**                                                          **0.5 credit**    **Grade 9**

**1102 Theology 9A (Honors Contract not applicable)**

An introduction to Divine Revelation and Salvation History as presented in the Old Testament of the Bible. Emphasis will be placed on the five major covenants of the Hebrew Scriptures that point to their ultimate fulfillment in the New Covenant of Jesus Christ. Students will study the Pentateuch, Historical Books, Wisdom Literature, and the prophets of the Old Testament through the hermeneutical principles outlined by the Catechism of the Catholic Church. Students will study the Pentateuch, Historical Books, Wisdom Literature, and the Prophets in the Old Testament through the lens of Catholicism.

**1103 Theology 9B**                                  **New Testament**                                                          **0.5 credit**    **Grade 9**

**1104 Theology 9B (Honors Contract)**

The New Testament will introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. Students will recognize the fulfillment of God’s plan for humanity by studying the New Testament as more than just stories of Jesus. They will be invited into a relationship with Jesus Christ as the fullness of God’s Divine Revelation and will learn about not only who Jesus Christ is but also who He calls them to be.

**1105 Theology 10A**                                  **Intro. To Catholicism Part I**                                                          **0.5credit**    **Grade 10**

**1106 Theology 10A (Honors Contract)**

Students will learn the basic fundamentals of Catholicism by studying the Catechism of the Catholic Church. Students will understand how God’s plan of salvation is fulfilled by analyzing the Creed, Sacraments and the Church. They will be invited to participate in God’s plan.

**1107 Theology 10B**                                  **Creedo**                                                                                                          **0.5credit**    **Grade 10**

**1108 Theology 10B (Honors Contract)**

Students will continue to understand how God’s plan of salvation is fulfilled by analyzing the Creed, Sacraments, and the Church. They will be invited to participate in God’s plan.

**1109 Theology 11A**                                  **Catholic Social Teaching**                                                          **0.5 credit**    **Grade 11**

**1110 Theology 11B (Honors Contract)**

Students will learn about their identity as social creatures as a reflection of God’s image and how to live out their lives in their communities in accordance with Catholic teachings. Through the study of ancient philosophers, modern Church Doctors and various writings, students will conduct an in depth study of Sacred Scripture and Catechism of the Catholic Church.

**1111 Theology 11B**                              **Christian Anthropology**                              **0.5credit**                              **Grade 11**  
**1112 Theology 10B (Honors Contract)**

Students will do an in depth study of the meaning of being created in the image and likeness of God as his adopted children who are called to love. Based on the collective writing of Pope John Paul II, known as Theology of the Body, students will recognize their role in God’s Plan of Salvation more than as an individual but as body and soul. They will learn about their identity as social creatures as a reflection of God’s image and how to live out their lives in their communities in accordance with Catholic teachings.

**1113 Theology 12A**                              **World Religions**                              **0.5 credit**                              **Grade 12**  
**1114 Theology 12B (Honors Contract)**

Students will study the major religions and philosophies of the world through the lens of Catholicism. Students will compare and contrast the religions while learning to foster ecumenical dialogue as put forth by Vatican II.

**1115 Theology 12B**                              **Apologetics**                              **0.5 credit**                              **Grade 12**  
**1116 Theology 12B (Honors Contract)**

Apologetics—Students will develop a deeper appreciation and understanding of the Catholic Faith, as well as an understanding of the rational basis for Catholic belief and how to defend it from common objections. Students will learn the philosophical and historical basis for Catholic beliefs such as “The Existence of God”, “The Immortality of the Soul”, and “The Historicity of Jesus and the Bible.”

## **WORLD LANGUAGE**

### **Statement of Purpose:**

The purpose of the department is to enable students to communicate in the target language within the framework of the culture that the language represents.

### **Goals and Objectives:**

1. The development of the student’s ability to understand and speak the modern language.
2. The development of the student’s ability to read and write the target language, whether modern or classical.
3. The development of the student’s appreciation of and respect for persons of diverse cultures.
4. To immerse the students in the target language to an extent appropriate to their ability.

### **Courses:**

**5502 French I (CP)**                              **1 Credit**                              **Grades 9-10**

### **Prerequisite: None**

This course is designed for students with little or no French background. As students build grammatical foundations of the language, emphasis is placed on language communication skills such as listening, speaking, reading and writing. Role-playing and songs in class will encourage students to communicate in French. Mini projects will develop creativity while illustrating vocabulary and grammar in context. Finally, a variety of cultural vignettes and activities will help the students familiarize themselves with the culture of France and French speaking countries.

**5503 French I (H)**                              **1 Credit**                              **Grades 9-10**

### **Prerequisite: Departmental Approval**

This course is designed for students who have taken French in middle school or for students with no French background who are prepared for the academically rigorous material of an Honors course. As students build grammatical foundations of the language, emphasis is placed on language communication skills such as listening, speaking, reading, and writing. Role-playing and songs in class will encourage students to communicate

in French. Mini projects will develop creativity while illustrating vocabulary and grammar in context. Finally, a variety of cultural vignettes and activities will help the students familiarize themselves with the culture of France and French-speaking countries.

**5504 French II (CP) 1 Credit Grades 10-12**

**Prerequisite: French I**

This course builds upon the foundation laid in French I. Students review basic concepts while expanding vocabulary. Past tenses are learned, and their uses are compared and contrasted. Pronouns and their use are explored. Cultural units review France and her history through readings and classroom discussions. The reading and analysis of elementary level short stories will help students apply grammatical concepts in context. Speaking skills will be reinforced through various classroom activities.

**5505 French II (HON) 1 Credit Grades 9-12**

**Prerequisite: Dept. Approval via grade and placement test**

The students of this class are self-motivated and capable of independent learning. Students will build strong grammatical foundations and the vocabulary necessary for reading, writing, listening and speaking the language. Fluency and creativity will develop through short essay writing, and oral discussions. French will gradually become the only language spoken in the classroom.

**5542 French III (CP) 1 Credit Grades 11-12**

**Prerequisite: French II**

The skills developed in French II are reinforced and practiced at a more advanced level. The future and conditional tenses are introduced at this points. Guided writing assignments focus on clarity of expressions while classroom activities focus on improving speaking and listening skills.

**5506 French III (HON) 1 Credit Grades 10-12**

**Prerequisite: French II (HON) or Dept. approval via grade and placement test**

In this course, students will continue to build a strong background in the four language skills: listening, speaking, reading and writing. After a comprehensive review of the verbal and grammatical components, emphasis will be placed on formal essays and reading comprehension of literary texts. Students will develop fluency through listening activities, and class presentations. A broad range of vocabulary and activities related to French culture will also be included in the curriculum.

**5507 French IV (HON) 1 Credit Grades 11-12**

**Prerequisite: French III (HON) or Dept. Approval**

French IV Honors is designed for students who have completed two years of high school French at the honors level. One goal of this advanced course is to develop proficiency in the four skills of the language: speaking, listening, reading and writing while mastering essential grammatical and verbal structures and developing a strong vocabulary base. In this course, students will develop reading comprehension strategies via a variety of literary genres. Essays will demonstrate organization while applying critical, analytical, and logical thinking. Listening and speaking exercises from audio CDs will promote an understanding of the language spoken by native speakers and will stimulate the student to acquire fluency. In the second semester, students will read short novels in French. French will be the only language spoken in the classroom.

**5545 French V (HON) 1 Credit Grades 11-12**

**Prerequisite: French IV (HON) or Dept. Approval**

French IV Honors is designed for the students who have completed three years of High School French at the Honors level. This class is conducted entirely in French. The goal is to develop proficiency in the four skills of the

language: speaking, listening, reading, and writing. In the second semester, students will read a short novel in French.

**5510 Spanish I (CP)**

**1 Credit**

**Grades 9-10**

**Prerequisite: None**

This full year course is designed for the student with little or no Spanish language background. The course introduces and reinforces the use of the basic grammatical structures of the language and enables the student to use these structures in written and oral communication. Vocabulary and grammar concepts will be reinforced through readings, dialogues, projects, and other media.

**5511 Spanish I (HON)**

**1 Credit**

**Grades 9-10**

**Prerequisite: Dept. Approval via grade and placement test**

This course is designed for students who have taken Spanish in middle school or for students with no Spanish background who are prepared for the academically rigorous material of an Honors course. The course introduces and reinforces the use of the basic grammatical structures of the language and enables the student to use these structures in written and oral communication. The students will review and learn new vocabulary and grammar through readings, dialogues, projects, and other media.

**5512 Spanish II (CP)**

**1 Credit**

**Grades 10-12**

**Prerequisite: Spanish I**

This course is designed for students who have successfully completed Spanish I at the high school level. This course builds upon the foundation laid in Spanish I. Students review basic concepts while expanding vocabulary. A strong grammatical foundation is built through the study of the past tenses, future, conditional tenses, and object pronouns and their uses. Mini projects will develop creativity while illustrating vocabulary and grammar in context.

**5513 Spanish II (HON)**

**1 Credit**

**Grades 9-12**

**Prerequisites: Spanish I (HON) or Dept. Approval via grade and placement test**

This honors course builds students' skills in listening, speaking, reading and writing the language. A strong grammatical foundation is built through the study of the past tenses, future, conditional tenses, and object pronouns and their uses. The core content of this course is the same as that of the CP level, but the course goes more in-depth on grammatical, cultural and vocabulary topics at a faster pace. Mini projects will develop creativity while illustrating vocabulary and grammar in context.

**5517 Spanish III (CP)**

**1 Credit**

**Grades 10-12**

**Prerequisite: Spanish II**

During the first semester, the skills developed in Spanish I and II are reviewed, reinforced and practiced at a more advanced level. The remainder of the indicative tense are learned and mastered. The subjunctive and the imperative are introduced at the end of the semester. During the second semester, subjunctive mood is studied deeply and students learn to compare and contrast its uses with the indicative tenses. Spanish culture is explored in more depth through the use of cultural readings and selections of Spanish literature. Classroom activities focus on improving speaking and listening skills through reading and oral presentations.

**5514 Spanish III (HON)**

**1 Credit**

**Grades 10-12**

**Prerequisite: Spanish II (HON) or Dept. approval via grade and placement test**

During the first semester, the skills developed in Spanish I and II are reviewed, reinforced and practiced at a more advanced level. The remainder of the indicative tense are learned and mastered. During the second semester, the commands and subjunctive mood are introduced and students learn to compare and contrast their uses with the indicative tenses. Spanish culture is explored in more depth through the use of cultural readings and selections of Spanish literature. Classroom activities focus on improving speaking and listening skills through reading and oral

presentations. The core content of this course is the same as that of the CP level, but the course goes more in depth on grammatical, cultural and vocabulary topics at a faster pace.

**5515 Spanish IV (HON) 1 Credit Grades 11-12**

**Prerequisite: Spanish III (HON) or Dept. approval via grade and placement test**

At this level the students experience more immersion in the target language and the use of English diminishes as students advances through the curriculum. New vocabulary is introduced through the geography, history, and literature of the Spanish speaking world and the indicative, subjunctive, and imperative moods are reviewed and mastered. Students will focus on improving their reading, writing, listening and speaking skills through reading selections, writing prompts, communicative activities and exposure to other authentic Spanish resources.

**5519 Advanced Placement Spanish Language and Culture 1 Credit Grades 12**

**Prerequisite: Invitation**

“AP Spanish Language and Culture is equivalent to an intermediate-level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.” Source AP College Board website. Students will complete a rigorous course load that will include various types of assignments and assessments that use a variety of authentic audio, visual, and audiovisual sources and authentic written texts in order to prepare themselves for the AP Exam at the course’s end.

The purpose of the course is to prepare the students to use the Spanish language both in and outside the classroom. It is to encourage an understanding and appreciation of the Spanish culture. The course will be conducted in Spanish to help students practice and improve their Spanish speaking and listening skills. The pace and structure of this course is purposely designed to help students both master the content and successfully prepare for the AP Exam. Thus, this class requires a serious commitment by the student.

**5530 Latin I (CP) 1 Credit Grades 9-10**

**Prerequisites: None**

This course is a grammar-intensive study of the Latin language, which will develop the student’s ability to read Latin in order to learn about life in Ancient Rome and its enduring effects on our current civilization. An integral part of the course relates Latin to the English and Romance languages in the areas of vocabulary derivatives and etymology.

**5529 Latin I (HON) 1 Credit Grades 9-12**

**Prerequisites: Dept. Approval**

This rigorous course is a grammar-intensive study of the Latin language, which will develop the student’s ability to read Latin in order to learn about life in Ancient Rome and its enduring effects on our current civilization. An integral part of the course relates Latin to the English and Romance languages in the areas of vocabulary derivatives and etymology.

**5531/5532 Latin II (CP/HON) 1 Credit Grades 10-12**

**Prerequisite: Latin I**

This course continues the study of more advanced grammatical constructions in Latin. Roman life and heritage and their affects on our own times are considered through selections from Classical Roman authors. An ongoing feature is the linguistic relation of Latin to English vocabulary and orthography. Latin II Honors students will be assigned additional advanced readings and grammar work. Honors students agree to meet with the instructor outside of class time regularly to review the Honors assignments.



# STATEMENT OF ACCREDITATION

Trinity High School is accredited by the New England Association of Schools and Colleges, Inc., a non-governmental, nationally recognized organization whose affiliated institutions include elementary schools through collegiate institutions offering post-graduate instruction.

Accreditation of an institution by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. Inquiries regarding the status of an institution's accreditation by the New England Association should be directed to the administrative staff of the school or college. Individuals may also contact the Association:

**New England Association of Schools and Colleges**  
209 Burlington Road, Bedford MA, 01730; (781) 271-0022  
[www.neasc.org](http://www.neasc.org)

## Alternative Credit

All credits must be earned by accredited institutions that offer transcripts. For full-time enrolled students at THS, alternative credits will not be approved for courses running at Trinity High School. For transfer students, transfer credits will only be placed on the Trinity High School transcript by Official Transcripts sent by accredited institutions to the School Counseling Department, and grades will be recalculated using the THS Grading Scale (please reference the Trinity High School, School Profile for grade scale).

## Virtual Learning Academy Charter School

Virtual Learning Academy Charter School (VLACS) is an online educational opportunity operated through the Exeter school district. Trinity will not give credit for any VLACS course that is offered within Trinity's curriculum. Prior approval from Trinity's academic and college planning office must be obtained for any VLACS course to appear on a Trinity transcript. Although the VLACS course may appear on the Trinity transcript, the grade will not calculate into the student's GPA. Trinity will only provide a student with the opportunity to participate in a VLACS course and does not exercise any control over content of the curriculum or the assignment of grades. All registration and course requirements fall upon the student to complete. Interested students can access the VLACS via the web address [www.vlacs.org](http://www.vlacs.org).

## Table of Contents

<i>Trinity High School is accredited by the New England Association of Schools and Colleges, Inc.</i> .....	2
Mission Statement of Trinity High School.....	2
A Message to Students .....	2
<b>Graduation Requirements Class 2026 - 2030</b> .....	3
<b>Course Sequences - Eexample. For illustrative purposes, outlining required classes -- not all electives are listed.</b> .....	4
<b>Course Loads, Credits, and Class Levels</b> .....	5
Advanced Placement (AP):.....	5
Honors (HON):.....	6
College Prep (CP): .....	6
Early College (Previous Running Start) (EC): .....	6
Course Overload: .....	6
<b>NH State Scholars Initiative</b> .....	7
NH Scholars Pathways .....	7
<b>Procedure For Course Selection</b> .....	8
Schedule Changes .....	8
Withdrawing from a Course .....	8
Level Change .....	8
<b>COURSE DESCRIPTIONS</b> .....	9
Business Electives .....	9
COMPUTER SCIENCE & TECHNOLOGY .....	10
ENGLISH.....	12
FINE ARTS .....	15
PHYSICAL EDUCATION.....	17
MATHEMATICS.....	18
SCIENCE.....	21
SOCIAL STUDIES.....	24
THEOLOGY .....	27
WORLD LANGUAGE.....	29
<b>STATEMENT OF ACCREDITATION</b> .....	33
Alternative Credit.....	33
Virtual Learning Academy Charter School.....	33

