

# **CONTENTS**

| Board of Education   | 3  |
|--|----|
| Stamford Public Schools Mission and Vision Statements        | 4  |
| Superintendent's Message                                     | 5  |
| Credit Requirements for Graduation                           | 6  |
| College Level Curricula/Courses                              | 8  |
| Grading System   | 9  |
| Post-Secondary Planning                                      | 10 |
| Academy of Information Technology & Engineering Introduction | 11 |
|  |    |
| COURSE DESCRIPTIONS  |    |
|  |    |
| Architecture and Engineering                                 | 15 |
| Career and Technical Education – Business                    | 18 |
| Career and Technical Education - Technology                  | 23 |
| English  | 29 |
| Visual & Performing Arts - Visual Arts                       | 33 |
| Visual & Performing Arts - Music                             | 38 |
| Health and Physical Education                                | 41 |
| Mathematics  | 43 |
| Science  | 48 |
| Service Learning   | 55 |
| Other Course Offerings                                       | 56 |
| Social Studies   | 57 |
| World Languages  | 63 |
| Other Academic Support                                       | 71 |

# **BOARD OF EDUCATION**

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# **Stamford Public Schools Mission Statement:**

The mission of the Stamford Public Schools is to provide an education that cultivates productive habits of mind, body, and heart in every student.



# **Stamford Public Schools Vision Statement:**

The Stamford Public Schools will be a learning organization that continuously improves its effective, innovative, and transformational teaching and learning. We will challenge, inspire and prepare all students to be productive contributing members of society.

# NOTE FROM THE SUPERINTENDENT



Dear Students and Families,

Welcome to the 2022-2023 Program of Studies.

As Superintendent of Stamford Public Schools, every year I look forward to the release of the Program of Studies. I enjoy scrolling through the online pages and seeing all of the amazing courses that we offer here in Stamford, from our various Advanced Placement (AP), International Baccalaureate (IB), and Early College Experience (ECE) courses, to our new Apprenticeship and Cooperative Work Education Program, not to mention the various Art, Music, and Physical Education opportunities.

It is always exciting to think about our students and families having the opportunity to review, discuss, and select their preferred courses each year. This year is extra special as I reflect on the work we are doing in continuing to grow our pathway programs, which include Agriculture Science, Finance, Business Management, Administration, Hospitality Culinary, and Construction Management, as well as Transportation Management, Education, Health Science, IT, Marketing, and STEM.

It is amazing to think about the opportunities our students have to experience "Career Connected Learning for All" both in the classroom and outside of our schoolhouse doors. This vision for community and school-based personalized learning opportunities is in direct line with the vision of the Stamford Public Schools to "... challenge, inspire and prepare all students to be productive, contributing members of society."

In closing, I encourage students and families to work together to step outside of the box by selecting a course or two that not only cultivates a student's mind but also their body and heart.

Enjoy this important moment!

Dr. Tamu Lucero Superintendent of Schools This Program of Studies contains important information about educational opportunities available in our high schools. As you and your parent(s) review the information and course listings that appear in this guide, you should think about your strengths and interests as well as your short-term and long-term goals.

# CREDIT REQUIREMENTS FOR GRADUATION

In order to obtain a high school diploma from the Stamford Public Schools, students are expected to demonstrate proficiency in Reading, Writing, Mathematics, and Science. School counselors are responsible for monitoring student progress in reaching graduation requirements. School counselors will inform parents of student progress and will work with department heads and teachers to help students reach proficiency in all academic areas.

# **District Required Courses and Credits for Graduation:**

Students are required to accumulate 25 or more course credits, distributed as follows:

| HUMANITIES   | 9 TOTAL CREDITS          |
|--|--------------------------|
| ➤ English  | 4 credits                |
| Social Studies   | 3 credits (.5 in Civics) |
| > Arts   | 1 credit                 |
| Subject Area Elective                                  | 1 credit                 |
| SCIENCE, TECHNOLOGY,                                   | 9 TOTAL CREDITS          |
| ENGINEERING & MATHEMATICS                              |                          |
| ➤ Mathematics (must earn credit in Algebra & Geometry) | 3 credits                |
| Science  | 3 credits                |
| Subject Area Elective                                  | 3 credits                |
| WELLNESS   | 2 TOTAL CREDITS          |
| Physical Education                                     | 1 credit                 |
| Health and Safety Ed                                   | 1 credit                 |
| WORLD LANGUAGE   | 1 TOTAL CREDIT           |
| MASTERY-BASED LEARNING                                 | 1 TOTAL CREDIT           |
| GENERAL ELECTIVES                                      | 3 TOTAL CREDITS          |
| Total  | 25                       |

## **AITE's Vision of the Graduate**

Graduates communicate effectively, orally and in writing, and utilize their communication skills for a variety of purposes and audiences.

Graduates collaborate effectively with others to complete a task or a goal.

Graduates apply critical thinking skills to solve problems and evaluate information.

Graduates participate responsibly in their local and global communities.

Graduates demonstrate resiliency when they are flexible, persistent or can recover from failure or change.

Graduates demonstrate good moral character when they are caring, responsible, trustworthy, fair, respectful, and/or good citizens.

#### **CREDITS**

Each student-entering grade 9 is required to earn a minimum of 25 credits for graduation. As a general rule, the maximum total credits a student may earn each year is 8.

### MASTERY-BASED LEARNING CREDIT (Course Code #3421)

Mastery-based learning is to ensure that a student has acquired the knowledge and skills that are deemed to be essential to success in every postsecondary - college and career environment and in adult life. Students will receive one credit upon successful demonstration of subject matter content mastery achieved through educational experiences and opportunities that provide flexible and multiple pathways to learning. These options include:

- ACT Score of English 18, Math 22, Reading 22, Science 23, ELA 20
- Capstone Project (prior approval required)
- FCIAC Recognition
- For EL students who have lived in Connecticut for fewer than five years, a score of proficiency or above on the LAS Links assessment
- Independent Study
- Recognition as an AP Scholar (receives a score of 3 or more on 3 AP exams)
- Recognition of achievement in a state or national competition in the areas of debate, literary, STEM, visual, CTE, or performing arts
- SAT Score College and Career Readiness Benchmark for Evidence-Based Reading and Writ ing:
   480
- SAT Score College and Career Readiness Benchmark for Math: 530
- Seal of Biliteracy
- Student Self-Designed Project (prior approval required)
- Internship\*
- Volunteer/Service Experience\*
- Work-study Experience\*

#### **SEAL OF BILITERACY**

Stamford Public Schools recognizes students who have studied and attained proficiency in English and another language and have met specific requirements at the time of graduation by awarding a Seal of Biliteracy on their transcripts and diplomas. The seal recognizes the value of students' academic efforts, the tangible benefits of being bilingual and biliterate, and prepares students to be productive contributing members of our global society. The Seal of Biliteracy was adopted by the district in 2018.

<sup>\*</sup>Students can complete any combination of these Pathways to meet the requirement of 120 hours

## COLLEGE LEVEL CURRICULA/COURSES

# **ADVANCED PLACEMENT (AP)**

AP courses are designed to meet the objectives of rigorous first year courses at the college level as prescribed by the College Entrance Examination Board Advanced Placement Program. AP courses provide students with the opportunity to earn college credit, advanced placement, or both. Each AP course concludes with a college-level test, which is an essential part of the AP experience enabling students to demonstrate their mastery of college-level course work.

More than 90 percent of 4-year colleges grant credit and placement on the basis of successful AP exam scores. AP courses are offered in the following subject areas to prepare students for taking the AP examination: Art, English, Math, Music, Social Studies, World Languages, and the Sciences. The examinations are given in May.

Students who wish to receive the weighted credit of .07 for rank and grade point average (GPA) in those subjects are required to take the AP examination. To earn college credit a student must receive a passing score of 3 or higher on the AP exam. There are additional course requirements for AP classes, particularly during the summer. Students are expected to consult their AP teachers for those requirements. For more information, visit <a href="https://www.collegeboard.org">www.collegeboard.org</a>.

## **HONORS COURSES (H)**

Honors courses explore the subject matter in depth and in a comprehensive and accelerated approach. Courses are available in the following academic subjects: English, Mathematics, Science and Social Studies. These courses are intended for students who have demonstrated motivation, interest, and achievement in previous courses taken in this content area. Students are required to meet specific criteria for all honors courses. Successful completion of an honors course adds .05 weighted credit to a student's rank and GPA. For further information, contact the school counselor.

| GRADING SYSTEM High Honor Roll = 4.0 Honor Roll =3.0 |              |             |              | r Roll =3.0    |             |
|--|--------------|-------------|--------------|----------------|-------------|
| Letter Grade   | Number Value | Grade Point | Letter Grade | Number Value   | Grade Point |
| A  | 93-100       | 4.00        | D            | 63-66          | 1.00        |
| <b>A-</b>  | 90-92        | 3.75        | D-           | 60-62          | 0.75        |
| B+   | 87-89        | 3.50        | ${f F}$      | 0-59           | 0.00        |
| В  | 83-86        | 3.00        | M            | Medical        | 0.00        |
| В-   | 80-82        | 2.75        | P            | Passing        | 0.00        |
| C+   | 77-79        | 2.50        | I            | Incomplete     | 0.00        |
| C  | 73-76        | 2.00        | LC           | Loss of Credit | 0.00        |
| C-   | 70-72        | 1.75        | $\mathbf{W}$ | Withdrawn      | 0.00        |
| D+   | 67-69        | 1.50        | NG           | No Grade       | 0.00        |

#### **GPA**

Each student will receive an unweighted and weighted GPA. The unweighted is computed by using the grade point average of the final marks earned by each student in grades 9-12 in all subjects except those on Pass/Fail (P/F). The weighted GPA is calculated by adding the following values to the unweighted GPA: .05 weight for each Honors class taken and .07 weight for each Advanced Placement and UConn ECE course taken.

While the rules and regulations outlined in the Program of Studies apply to all students, the school principal may make exceptions in the best educational interest of individual students.

#### HONOR ROLL

The Stamford Public Schools believes in recognizing students who demonstrate significant academic achievement through hard work and commitment. To earn honors in a marking period a student must be taking a minimum of 3 credits in that marking period. There are three levels of Honors:

- Honors with Distinction: Straight A's (Includes A and A-)
- High Honors: All A's with the exception of one B (Includes B+, B, and B-)
- Honors: All A's and/or B's with the exception of one C (includes C+, C, and C-)

All course grades will be included in the calculation for qualifying for Honor Roll. Honor Roll status will be indicated on report cards quarterly.

Note: New students enrolled in the Stamford Public Schools, who do not have grades awarded by the Stamford Public Schools, would not be included in the Honor Roll determination.

## POST-SECONDARY PLANNING

**School Counseling:** Upon entering high school, you should develop a four-year plan of academic study that is challenging and fulfilling. Your plan will be shaped as you learn new information about yourself and the world of work. One of the services provided to help you with academic planning is Individual Planning Meetings between you and your school counselor. This meeting results in the development of your Student Success Plan with career, education, social-emotional, and post-secondary goals. You and your counselor will update the plan annually. Your plan is stored in *Naviance*, a web-based tool that also allows you to explore career options, research colleges and technical schools, complete interest inventories, and manage the college application process.

You will also participate in classroom or group school counseling lessons two-three times a year. Additionally, students will have the opportunity to participate in college and career events.

Career Counseling: Career development and awareness are integrated throughout the curriculum in all academic subject areas and across all grade levels. Your school counselor can assist you with all aspects of career development.

#### STANDARDIZED TESTING

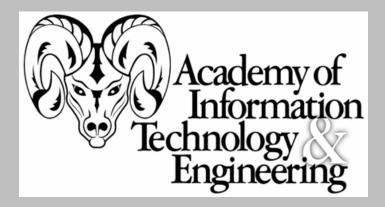
Students should explore the various admission tests for post-secondary opportunities. The <u>ACT</u> (American College Test) is designed to measure high school students' college readiness in English, math, reading, science, and writing (optional). Students in their junior year and senior year in high school are encouraged to sit for the ACT. Students can qualify for fee waivers on test administration days throughout the year. For additional ACT information and test dates, visit <u>ACT resources</u>.

The <u>PSAT/NMSQT</u> (Preliminary Scholastic Aptitude Test) is a diagnostic tool, provides real-time/real-place experience of a standardized assessment similar to the SAT, and is the qualifying test for National Merit Corporation scholarship opportunities for Juniors. The exam is offered to all sophomore and junior students during the school day in October, free of cost. We encourage all sophomores and juniors to take the PSAT and explore the <u>PSAT resources</u> that are available.

The <u>SAT</u> (Scholastic Aptitude Test) measures a high school student's readiness for college and provides colleges. The SAT is offered to all juniors in the spring, during the school day at their high school, free of cost. Students can qualify for fee waivers on test administration days throughout the year. Students should check the specific college requirements to determine if the institution is test-optional and if SAT Subject tests are required. For additional SAT information and test dates, visit <u>SAT resources</u>.

As of 2021 College Board will no longer offer the optional essay or subject area tests as part of the SAT. Students should check the specific college requirements to determine if the SAT is required for admittance.

# **ACADEMY OF INFORMATION TECHNOLOGY & ENGINEERING**



The Academy of Information Technology & Engineering (AITE) is an inter-district, college-preparatory high school with a STEAM focus. With high academic standards and rigorous graduation requirements, students take 4 years of English, math, science, social studies, and a world language. Seniors are also required to complete a capstone project and submit documentation verifying a minimum of 50 hours of community service. In addition to college preparatory academics requirements, students can choose electives from five areas of concentration, dual credit college courses, and Virtual High School online courses.

### **Information Technologies Concentration**

This concentration consists of courses that enable students to develop advanced computer skills to use in an IT related field or to use technology as a tool in a broad variety of other fields. In addition to regular academic courses, students following this area of concentration will take required courses to expose them to the basics of computer systems and programs, and then follow with a series of professional level courses in their own areas of interest, such as:

**Cisco Networking Academy** – This program provides students with the skills needed to succeed in networking-related degree programs and helps them prepare for CCNA certification. (<a href="http://cisco.netacad.net">http://cisco.netacad.net</a>)

**Digital Applications** – Through courses like FIT, Business Publications and web design, students will learn technical skills that allow them the opportunity to explore a multitude of careers.

#### **Architectural & Engineering Concentration**

Students in the nationally renowned Project Lead the Way (PLTW) engineering program take specialized courses offered over four years where they engage in real-world challenges that help them become better critical thinkers, collaborator, communicators and problem solvers. Students who successfully complete these courses may be eligible to earn college credit.

#### **Business Concentration**

The courses in this concentration help students learn practical and valuable applications using Microsoft Office, accounting, digital publications, business law, financial analysis, and management tools in preparation for college and careers. Field trips to corporate environments and potential internships at local businesses are part of this concentration.

## Fine Arts – Music and Visual Concentration

Students who take courses in this concentration learn skills through hands-on projects, digital applications utilizing current music and graphic arts software, and traditional practices. Students also are provided with opportunities to present their work to various audiences through performances and competitions.

### **Biomedical Sciences Concentration**

Students in the Project Lead the Way Biomedical program take a sequence of four, full-year courses: Principles of the Biomedical Sciences, Human Body Systems. Medical Interventions, and a capstone course entitled Biomedical Innovations. These courses are weighted at the "Honors" level. Students also take 4 additional science course concurrently and may elect to take additional science courses.

# **VIRTUAL HIGH SCHOOL**

Online courses through Virtual High School are offered to juniors and seniors who have demonstrated the ability to work independently and meet deadlines. This program helps to expand the course offerings at AITE. Parents and students are required to sign a contract of expectations and course requirements. For more information about this program contact your school counselor, and for the complete catalogue of courses offered by VHS, please visit vhslearning.org

## **COLLEGE CREDIT**

Students may take college-level courses offered by the University of Connecticut, University of Bridgeport, University of New Haven, and Norwalk Community College which provide dual credit (high school and college), and enable students to save money on college tuition. Many of these courses are taught by AITE teachers on our campus.

#### Norwalk Community College/AITE College Credit Partnership

Any AITE junior or senior with a "B" average may be eligible to take an NCC course in any field during the fall or spring semesters through the High School Partnership program. Students must be recommended by their school counselor and take the Accuplacer test in the preceding semester to determine eligibility. Students who are eligible for HSP pay no NCC tuition. Interested students should contact their school counselor.

## **University of Connecticut Early College Experience (UConn ECE)**

The UConn ECE program provides academically motivated students with the opportunity to take university courses while in high school. Students may earn college credit for each UConn ECE course taken. Successful completion of a UConn ECE course adds .07 weighted credit to a student's rank and GPA. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head-start on a college degree and other post-secondary opportunities. College credit is earned for a fraction of the cost it would be if the course were taken on a UConn campus.

UConn ECE courses are taught by high school teachers who become certified as adjunct professors by the University. UConn ECE faculty foster independent learning, creativity, and critical thinking – all important for success in college and careers. UConn ECE courses are offered in English, Math, Social Studies, World Language, and Science. To support rigorous learning University of Connecticut databases are available to all UConn ECE students.

UConn credits are transferable to many colleges and universities. Students are charged a program fee of \$50 per credit plus a resource fee of \$20. Thus, a 2-credit course will cost \$100 and a 3-credit course will cost \$150. For additional information, visit <a href="https://www.ece.uconn.edu">www.ece.uconn.edu</a>.

### CAREER AND TECHNICAL EDUCATION

Career and Technical Education subject areas focus on academic integration, career development, skill proficiency and work-based learning. They provide students with the opportunity to explore possible college and career post-secondary pathways. These options include four-year colleges, community or technical colleges, technical training opportunities, and structured entry-level work along a charted career path.

# ACADEMY OF INFORMATION TECHNOLOGY & ENGINEERING REQUIREMENTS FOR AN AITE DIPLOMA

All students are encouraged to meet and exceed the graduation requirements as established by the State of Connecticut and the Stamford Board of Education. As a college preparatory high school, AITE believes that it is in the best interest of every student to pursue a rigorous high school education. We recommend and encourage all students to exceed the required minimum 25 credits to include successful completion of four-year sequences in English, social studies, mathematics, science, a world language, as well as those additional courses required by the State of Connecticut and the Stamford Board of Education.

| CT Graduation Requirements | 25 Credits                                  |
|----------------------------|---|
| Humanities                 | 9.0 credits, including fine arts and civics |
|                            | (English, social studies, electives in      |
|                            | ELA, ss, art or music); 0.5 credits is      |
|                            | required in civics                          |
| STEM                       | 9.0 science, technology, engineering,       |
|                            | math  |
| Other                      | 1.0 credit of physical fitness and well-    |
|                            | ness; 1.0 credit of health; 1.0 credit of a |
|                            | world language; 1.0 credit of diploma       |
|                            | mastery assessment; 3.0 elective credits    |

Unique and significant areas required for graduation from AITE include the completion of a CAPSTONE PROJECT and COMMUNITY SERVICE.

**CAPSTONE PROJECT:** AITE students are required to assess themselves using AITE's Vision of the Graduate rubric, complete a reflection paper, and prepare a defense/presentation using artifacts throughout their high school career that support their ratings on the various indicators.

**COMMUNITY SERVICE:** AITE students are required to complete 12.5 hours of community service per year. Community service gives students an opportunity to serve the local or global community in a positive way. It also fosters responsibility, understanding, and leadership in our students. Students are encouraged to volunteer at local non-profit organizations in and around the lower Fairfield County area. Students can volunteer through our after school community service club, Interact. Students can also consult their school counselors for help finding community service opportunities. Proof of volunteer hours is required. Forms can be found on the school's website under the "Student Resources" tab.

The following pages contain all of the course offerings for the 2022-2023 school year. All courses will be run next year based upon student requests. If a course is not at 50% capacity, we may not run the course.

# **ARCHITECTURE AND ENGINEERING**

The Architecture and Engineering Concentration provides project-based activities that integrate technology applications with historical perspectives and engineering principles. Students will be given opportunities to analyze design problems and utilize computer technology to create solutions.

The Architecture and Engineering courses listed in this section are part of an innovative preengineering and technology education partnership program called **PROJECT LEAD THE WAY (PLTW).** This specially developed high school program seeks to create dynamic partnerships with students to introduce them to and create successful pathways into the fields of architecture, engineering, and technology. The courses are designed to allow students to earn college credit upon successful completion of the classes and the college portion of the final exam in each class. The PLTW classes offered at AITE are supervised and accredited by the University of New Haven.

#### **COURSE OFFERINGS**

Engineering Essentials (PLTW)
Introduction to Engineering Design (PLTW)
Digital Electronics (PLTW)

Civil Engineering and Architecture (PLTW)
Principles of Engineering (PLTW)
Engineering Design and Development
(PLTW)

# 1500\_ENGINEERING ESSENTIALS (PLTW)

Credit(s) 1

Engineering Essentials is a full-year course designed to be a high school student's first exposure to the PLTW Engineering program. In Engineering Essentials, students explore the work of engineers and their role in the design and development of solutions to real-world problems. The course introduces students to engineering concepts that are applicable across multiple engineering disciplines and empowers them to build technical skills through the use of a variety of engineering tools, such as geographic information systems (GIS), 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems across a variety of industry sectors, including health care, public service, and product development and manufacturing.

# 1501\_INTRODUCTION TO ENGINEERING DESIGN (PLTW)

**Prerequisite:** Introduction to Engineering Design and Algebra 1

Credit(s) 1

Introduction to Engineering Design (IED) is a high school level course that is appropriate for students who are interested in design and engineering. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students use the Autodesk 3D solid modeling design software to help them design solutions to solve proposed problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. Students will also learn how to document their work, and communicate their solutions to their peers and members of the professional community.

# 1510\_DIGITAL ELECTRONICS (PLTW)

**Prerequisite:** Introduction to Engineering Design and Geometry

Credit(s) 1

Digital Electronics (DE) is a high school level course that is appropriate for students interested in exploring electronics. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will analyze, design, and build digital electronic circuits. While implementing these designs, students will continually hone their professional skills, creative abilities, and understanding of the circuit design process.

## 1520\_PRINCIPLES OF ENGINEERING (PLTW)

**Prerequisite:** Introduction to Engineering Design

Credit(s) 1

Principles of Engineering is a broad-based survey course designed to help students understand the field of engineering, engineering technology and its career possibilities. Students will develop engineering problem solving skills that are involved in post-secondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change. The main purpose of this course is to experience through theory and hands-on problem solving activities what engineering is all about and to answer the question, "Is a career in engineering or engineering technology for me?"

## 1440\_CIVIL ENGINEERING AND ARCHITECTURE (PLTW)

**Prerequisite:** Introduction to Engineering Design

Credit(s) 1

Students will explore aspects of civil engineering and architecture through project development. Topics will include site selection and project planning, surveying, project plan layout, permits and licenses, building design and codes, building systems, and cost analysis. Students will work with cutting-edge technology applications, make site visits, and work with professionals from the field.

### 1530 ENGINEERING DESIGN AND DEVELOPMENT (PLTW)

**Prerequisites:** Introduction to Engineering Design; Principles of Engineering Credit(s) 1

In this course, students will work in teams of two to four to design and construct the solution, to an engineering problem, applying the principles developed in the preceding four courses. The problem may be selected from a database of engineering problems, be a recognized national challenge, or be an original engineering problem identified by the team and approved by the teacher. The problems will involve a wide range of engineering applications (e.g. a school robomascot, automated solar water heater, remote control hovercraft). Students will maintain a journal as part of a portfolio of their work. Each team will be responsible for delivering progress reports and making final presentations of their project for an outside review panel. The completed portfolio will be invaluable as students apply to college.



**Chloe Naudet** 

## **CAREER & TECHNICAL EDUCATION - BUSINESS**

The Business program is designed to develop problem-solving skills for everyday life, to identify goals, to analyze methods of achieving those goals, and to assist students in making informed career choices. These courses are not only valuable preparation for those students who are planning for a career in business but also for those interested in other career paths. The business methods and skills taught will be useful to students entering the business field immediately after graduation, as well as to those planning to attend college or a business school.

#### **COURSE OFFERINGS**

Accounting 1 Introduction to Business

Accounting 1 honors Marketing in the 21<sup>st</sup> Century

Accounting 2 Introduction to Sports and Entertainment

Business Communication Marketing and Management 1

Business Law Sports and Entertainment Marketing and

Management 2
Virtual High School

Entrepreneurship honors Yearbook

**Finance** 

# 2170\_ACCOUNTING 1 2171\_ACCOUNTING 1 HONORS

**Business Publications** 

Entrepreneurship

**Prerequisite:** Intro to Business

Grade: 10, 11, 12

Credit(s) 1

This course introduces students to the basic principles of Accounting, and how to account for business transactions. Students will learn how financial statements are prepared and how they are used as a basis for decision making by business owners, investors, creditors, government and others interested in the financial condition of an economic entity and the result of its operations. Students, who earn a grade of B or higher, may earn college credit through the University of Bridgeport.

### 2270 ACCOUNTING 2

Prerequisite: Accounting 1

Grade: 11, 12 Credit(s) 1

Designed for those students who are considering a business course of study in college, Accounting 2 focuses on the applications of accounting principles and techniques used in most business transactions. The students will use standard accounting practices and business procedures with an emphasis on the various managerial aspects of a business operation. Computers will be used to perform the various accounting applications such as spreadsheets. Students will also gain a deeper understanding of financial analysis, reports, and decision-making.

# 2994\_BUSINESS COMMUNICATION

Credit(s) 0.5

This course will provide students with the skills necessary to be effective communicators in a variety of mediums. These skills include strong professional writing skills, verbal communication in various settings, as well as other necessary experience in 21<sup>st</sup>-century mediums of business communication. Business Communications will serve as one of introductory course offerings in the business program, ideally for freshman and sophomores. Students are recommended to pair it with Introduction to Business.

# 2370 BUSINESS LAW

Prerequisite: Intro. to Business

Credit(s) 1

This course is designed for those students who are considering a business course of study in college. Business Law focuses on the study of the state and federal courts structure, the laws of business, contracts, sales, bailments, negotiable paper, agency insurance, and business organization. Students will learn about the importance of the law and their legal rights and obligations with respect to the juvenile justice system.

#### **2991 BUSINESS PUBLICATIONS**

**Prerequisite:** Foundations of Information Technology

Credit(s) 0.5

Students produce real-world documents such as newsletters, brochures, greeting cards, flyers, logos, signs, and much more. Students work independently using word processing, desktop publishing, and presentation software. Students will also create an integrated Microsoft Office Project for a company.

# 2080\_ENTREPRENEURSHIP 2081\_ ENTREPRENEURSHIP HONORS

Prerequisite: Intro. to Business

Credit(s) 1

Students in this course will be introduced to entrepreneurial concepts such business opportunity recognition, market research, estimating start-up costs, financing and operating a business. Students will also learn business etiquette and hone their oral communication and presentation skills. Each student will be required to write a complete business plan and create a multi-media presentation using PowerPoint. Students will compete in school and in county/regional competition to determine the best business plans and concepts. Students may earn college credit through the University of Bridgeport upon successful completion of this course.

# **2363\_ FINANCE**

Grade: 11, 12 Credit(s) 1

Students in this course will study finance three points of view: personal, corporate and international. Students will learn how to keep and balance a checkbook, prepare tax returns, develop a budget, and understand the social security and tax withholding systems. The focus will be on learning how to make wise financial decisions including investing and insurance, as well as establishing and maintaining credit. Students will study the global economy and how the United States fits into the worldwide financial world. The focus will be on identifying the social, cultural, political, and economic differences that form the unique identity of countries with which the United States trades. International finance is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. Business structure and management, trade, global entrepreneurship, marketing, financial literacy, and career planning will be studied.

## 2350\_INTRODUCTION TO BUSINESS

Credit(s) 0.5

This is a survey course designed to provide a framework for all other business courses by introducing students to business concepts and skills needed in today's competitive environment. Major business concepts, such as accounting, finance, marketing, and management will be covered. Students will gain valuable information and skills for the workplace, as well as gain an understanding of the different aspects of the business world, including the importance of ethics.

# 2180\_MARKETING IN THE 21<sup>ST</sup> CENTURY 2181\_MARKETING IN THE 21<sup>ST</sup> CENTURY HONORS

Prerequisite: Intro. to Business

Grade: 10, 11, 12

Credit(s) 1

NOTE: Sacred Heart University credit (3 semester hours) will be offered to students who achieve

a grade of B or better.

This course provides an understanding of the business world and development of the student's knowledge and ability in the marketing field. Marketing introduces the students to the processes and strategies involved in transferring business products or services to a consumer. Through interactive discussions and projects, the course's main focus is on analyzing the marketing mix, their interrelationships, and how they are used in the marketing process. Topics include: customer behavior, product policy, channels of distribution, advertising and promotion, price policy, marketing programs and the legal aspects of marketing. Students will recognize the customer-oriented nature of marketing and analyze the impact of marketing activities on the individual, business, and society.

# 2354 INTRODUCTION TO SPORTS & ENTERTAINMENT MARKETING & MANAGEMENT 1

Credit(s) 0.5

(½ Year Course - Fall)

This course covers the foundations of consumer behavior as it relates to the sports and entertainment industries. Students will learn the integration of product and services with pricing, promotion and distribution. Additionally, they will learn the importance of marketing concepts in the sports and entertainment industries and how to identify and address the needs of target markets.

#### 2355 SPORTS & ENTERTAINMENT MARKETING & MANAGEMENT 2

Credit(s) 0.5

(½ Year Course - Spring)

Prerequisite: Introduction to Sports and Entertainment Marketing and Management 1

Students will learn how to design and implement business and marketing plans based on the marketing concepts studied in Introduction to Sports and Entertainment Marketing and Management. Students will also use business simulations to gain a deeper understanding of business decisions and impacts related to these industries. Finally, students will conduct an analysis of the management of leagues, teams, events, corporations and manufacturers in the industry. The role of ethics in sports and entertainment is also addressed

#### 1990\_VIRTUAL HIGH SCHOOL

Prerequisite: Permission of VHS Coordinator

Credit(s) 0.5 Credit(s) 1

Virtual High School classes are online courses which take place entirely over the Internet. The VHS classes are offered in a scheduled asynchronous mode following a college semester schedule; assignments are due at specified weekly intervals. Students may choose up to two semester courses (fall and spring) or one full year course. All VHS courses are monitored regularly and adhere to the National Education Association's recommended course guidelines. For more information, and for the complete catalogue of courses offered by VHS, please visit <a href="https://www.nbs.earning.org">whslearning.org</a>

### 0690 YEARBOOK

Grade: 10, 11, 12

Credit(s) 1

In this course students will gain skills in page design, advanced publishing techniques, copywriting, editing, journalism and photography while producing a creative, innovative yearbook which records school memories and events. Participants will also gain useful, real-world skills in time management, marketing, teamwork, and design principles.



**Danyleth Juarez** 

# **CAREER & TECHNICAL EDUCATION – TECHNOLOGY**

The Technology program provides students with an opportunity to participate in many well-organized career and/or vocational experiences. In these courses, the fundamental skills of reading, writing, and mathematics are applied to creative projects, and the students learn by doing. Students have the opportunity to obtain 16 college credits at Norwalk Community College if they successfully complete Cisco Networking Academy courses. These NCC credits may be used toward satisfaction of the graduation requirements for an Associate Degree at Norwalk Community College or will be eligible toward completion of a 4 year Bachelor of Science Degree at Western Connecticut State University under the terms of the NCC/WCSU articulation agreement.

#### **COURSE OFFERINGS**

Cisco Networking Academy: AP Computer Science Principles (PLTW)

Introduction to Networks Introduction to Computer Science

Scaling Networks Computer Programming (NCC Partnership)

Connecting Networks Studio Production 1
Cybersecurity (PLTW) Studio Production 2

Foundations of Information Technology Introduction to Networking

Introduction to Game Design Web Design

Game Design and Development Internet of Things: Connecting Things Advanced Game Design

# **2721\_CCNA ROUTING AND SWITCHING: INTRODUCTION TO NETWORKS** Credit(s) 1

This course introduces the architecture, structure, functions, components, and models of the Internet and computer networks. The principles of IP addressing and fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes.

# 2751\_ CCNA ROUTING AND SWITCHING: SCALING NETWORKS

Credit(s) 1

This course describes the architecture, components, and operations of routers and switches in a large and complex network. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP, and VTP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network.

# 2791\_ CCNA ROUTING AND SWITCHING: CONNECTING NETWORKS

Credit(s) 1

This course discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students also develop the knowledge and skills needed to implement IPSec and virtual private network (VPN) operations in a complex network.

# 2511\_ CYBERSECURITY (PLTW)

Credit(s) 1

PLTW Cybersecurity is a full-year course implemented in 10th grade or above. The design of the course exposes high school students to the ever growing and far reaching field of cybersecurity. Students accomplish this through problem-based learning, where students role-play as cybersecurity experts and train as cybersecurity experts do. PLTW Cybersecurity strongly connects to the National Cybersecurity Workforce Framework (also known as the NICE Framework or NCWF). Created by the National Institute of Standards and Technology (NIST), this framework identifies standards developed by numerous academic, industry, and government organizations.

### 2222\_FOUNDATIONS OF INFORMATION TECHNOLOGY

Recommended for all freshmen Credit(s) 0.5

Students in this course will learn about their laptops and the hardware, software, and applications they will be using on a daily basis at AITE. In addition to improving their keyboarding skills, student will also learn how to use the Microsoft Office Suite: Word, PowerPoint, Access, Excel, and Publisher.

# 2473\_INTRODUCTION TO GAME DESIGN

(½ Year Course – Fall) Credit(s) 0.5

The course introduces students to the history, structure, creation and developmental strategy of game development. The history, player, and game elements will be examined, as well as the overall creation of the game from storytelling, characters, game play, levels, interface, and audio content. The developmental strategy will focus on the roles and responsibilities, production and management, and marketing and maintenance of game development.

### 2472 GAME DESIGN AND DEVELOPMENT

(½ Year Course – Spring)

Grade: 10, 11, 12

**Prerequisites:** Introduction to Game Design

Credit(s) 0.5

This course takes the students on a creative journey that starts at a conceptual beginning and arrives at a polished end – the game prototype. Students will produce storyboards, categorize interfaces, control schemes, manage game assets and script interactive elements to produce a game prototype.

#### 2474 ADVANCED GAME DESIGN

Grade: 11, 12

Prerequisites: Introduction to Game Design, Game Design and Development and permission of

instructor Credit(s) 1

The purpose of this course is to give the students who have taken Introduction to Game Design and Game Design and Development, an opportunity to create real world type applications. Students will use the latest technology and software to create smart phone apps and games for the Microsoft Xbox.

6645\_AP COMPUTER SCIENCE PRINCIPLES (PLTW)

**Prerequisite:** Introduction to Computer Science

Credit(s) 1

This course helps students to develop computer programming expertise and explore the workings of the Internet. Projects include APP development, visualization of data, cybersecurity, and simulation.

**2688 INTRODUCTION TO COMPUTER SCIENCE** 

Credit(s) 1

This is an introductory course for students new to programming and computer science. Students will learn problem solving strategies, software design, and the foundations of computer science. Students will learn to code using the Python language and eventually create their own programs. This course will prepare students for AP Computer Science Principles or AP Computer Science A.

6630 COMPUTER PROGRAMMING (NCC PARTNERSHIP)

Credit(s) 1

Students in this course will be introduced to the world of programming utilizing VisualBasic.NET, a high-level event driven programming language. Students will learn and apply the basic concepts of Visual-Basic to solve problems. More advanced programming concepts, including database programming and object-oriented programing, will also be explored. Students who meet the criteria are eligible to earn dual credit for college.

2217 STUDIO PRODUCTION 1

Grade: 10,11, 12

Credit(s) 1

Topics in this course include production in the media arts and editing, as well as applications in the field of videography. Extensive training in audio, lighting, set design, camerawork, production, and postproduction are emphasized.

26

# 2218 STUDIO PRODUCTION 2

Prerequisite: Studio Production 1

Grade: 11, 12 Credit(s) 1

This is a course in all aspects of photography and cinema. Students will be exposed to advanced topics in film production and commercial/editorial photography. Careers and opportunities in the industry will be discussed. Admission by teacher approval only.

# 2430\_INTRODUCTION TO NETWORKING

Prerequisite: Algebra 1

Credit(s) 1

This course is designed to introduce students to a more advanced understanding of information technology and data communications. Students will develop the necessary skills to enter this field by building a computer system, installing the operating systems, adding peripherals, connecting the computer to a local area network, and to the Internet. Characteristics of the Linux, Windows 2000, NT and XP Network operating systems will be discussed. Students will explore a variety of topics including installation procedures, security issues, back-up procedures, and remote access. This is a hands-on, lab-oriented course that stresses lab safety and working effectively in a group environment. This course will help prepare students for CompTIA's A+ certification.

#### 2342\_WEB DESIGN

Credit(s) 0.5

Students will learn the foundational knowledge of website creation and apply what they have learned to the planning, design and development of their own web page. Students will also create, code and post basic HTML and CSS files to the Internet.

#### **2771 INTERNET OF THINGS: CONNECTING THINGS**

Recommended for students who want to take CCNA courses Credit(s) 0.5

This is the first course of three in the Cisco Networking Academy's IoT Fundamentals. The curriculum provides students with a comprehensive understanding of the Internet of Things (IoT). It develops foundational skills using hands-on lab activities that stimulate students in applying creative problem-solving and rapid prototyping in the interdisciplinary domain of electronics, networking, security, data analytics, and business. The student-centric approach translates into the

student being able to ideate, design, prototype and present an IoT solution for an identified business or society need.



Luciana Ferreira

### **ENGLISH**

The four-year English program is designed to provide students with reading, writing and oral skills, to encourage responsible social interaction, enhance the learning process, and generate enthusiasm for the power of language particularly imaginative language. All students are required to take four years of English. The English curriculum emphasizes skills for college readiness and advanced courses. In order to prepare students for their role in a diverse society, literature encompasses texts from a multitude of cultures

#### **COURSE OFFERINGS**

**Requirements:** English 12 Honors

English 9 UConn ECE/AP English Literature &

English 9 Honors Composition 12

English 10 Electives:

English 10 Honors Authors of the Eye: Film Theory and Analysis

English 11 Creative Writing 1 & 2
English 11 Honors Web Newspaper

English 11 Honors Web Newspaper
AP English Language & Composition 11 Interventions:

English 12 English Lab 9
English 12 honors Literacy Lab

# 3010\_ENGLISH 9 3000\_ENGLISH 9 HONORS

Credit(s) 1

This course is devoted to developing all of the language arts (reading, writing, listening, speaking, viewing, and enacting). The goal of the writing program is the development of fluency, focus, and structure in a variety of genres, including the persuasive, narrative, and expository essays, response to literature, and other modes.

Appropriate attention is paid to editing skills. Literature instruction encourages thoughtful interpretation of various genres including adolescent fiction and mythology, as well as novels, short stories, information, and poetry. Students also participate in thematic Literature Studies units.

# 3110\_ENGLISH 10 3100\_ENGLISH 10 HONORS

Credit(s) 1

This course examines the interpretation of literature through the mediums of the short story, the novel, and expository articles. Instruction focuses on written and oral expression including the persuasive essay and literary response with attention to research, editing, and oral expression skills. Students develop interpretive skills and become fluent in written response to literature. Students also participate in thematic literature studies units.

# 3210\_ENGLISH 11 3200 ENGLISH 11 HONORS

Credit(s) 1

This course develops an understanding of the American experience through the study of the novel, biography, drama, essay, and poetry. Attention is given to developing fluent, well-structured, and well-edited written expression as well as formal and informal oral expression. In addition, students gain deepened appreciation of the many cultures that make up and contribute to the American experience. Students also participate in thematic literature studies units.

## 3260 AP ENGLISH LANGUAGE AND COMPOSITION 11

Credit(s) 1

This course primarily focuses on the study of rhetoric and persuasion. Students read and analyze nonfiction selections to identify and explore purposeful choices made by sophisticated writers.

# 3730\_ENGLISH 12 3900 ENGLISH 12 HONORS

Credit(s) 1

This course focuses on a selection of world literature, nonfiction, and film that examines the human condition from multiple perspectives. Students continue to develop analytical skills in a variety of written and oral formats. Students also participate in thematic literature studies units.

### 3301 UCONN ECE/AP ENGLISH LITERATURE AND COMPOSITION 12

Credit(s) 0.5

This course offers students the opportunity to participate in an intensive program intended to prepare students both for the Advanced Placement test and for the rigors of college English. Critical analysis of literature, advanced levels of academic writing, intensive group discussion, projects, occasional creative writing, the personal narrative essay, and critical reading form the core of the course. Successful scores of 4 or 5 on the Advanced Placement test often excuse the student from a semester of freshman level English at participating colleges.

#### 3791 ENGLISH LAB 9

Credit(s) 0.5

This course is designed to provide freshmen with additional support with literacy skills. During English Lab, students develop comprehension skills through direct instruction, software, and individual practice. Course enrollment is determined by grades, assessment data, and referral.

#### 3792\_ LITERACY LAB

Credit(s) 0.5

This course is for students who need additional time and support with literacy skills. Course enrollment is determined by grades, assessment data, and referral.

# 3920\_WEB NEWSPAPER 1 3921\_WEB NEWSPAPER 2

Credit(s) 1

Students will learn different formats of journalistic writing including, but not limited to, news, features, columns, editorials, and sports. Students will plan, draft, and complete written assignments on a regular basis and under deadline constraints, using the correct conventions and mechanics of written English. Students will participate in the publication of the online school newspaper.

#### 3361 CREATIVE WRITING 1

Credit(s) 0.5

This course requires students to demonstrate an ability to write in a creative manner in a variety of literary formats that include the short story, novellas, plays, and poetry. Group reading of works in progress is expected and revision based on peer critique is required.

## 3590\_CREATIVE WRITING 2

Credit(s) 0.5

Students in this course will continue to write in a variety of literary formats to include the short story, drama, and poetry. Group reading of works in progress is expected and revision based on peer critique is required. Students will analyze the writing of established writers to demonstrate their understanding of the creative process and learn to discover their own creative voices. The goal of the advanced student is to strive for publication.

# **3324\_ AUTHORS OF THE EYE: FILM THEORY AND ANALYSIS** Credit(s) 0.5

Students in this course will analyze themes, motifs, and symbols that present themselves in modern-day films. Using a Socratic seminar discussion format, students will also engage in analytical discussions and will be expected to write comprehensive essays about various films.



**Fabiola Giuliana** 

## **VISUAL AND PERFORMING ARTS – VISUAL**

In Visual Arts, a wide range of coursework is designed to develop an understanding of art, art production, art history, creative problem solving, and technical applications. Art courses may be used for personal satisfaction as well as for acceptance to advanced schools, college, or computer arts careers.

#### **COURSE OFFERINGS**

Drawing 1 Computer Graphic Art and Design

Painting 1 Photography 1

Drawing and Painting 2 Multimedia Presentation

Introduction to Animation Studio Art

Adobe Photoshop Architectural Drafting/CAD Technology

Adobe Illustrator Interactive Art Robotics

# **0153 DRAWING 1**

(1/2-Year Course – Fall) Credit(s) 0.5

This course introduces the students to the basic aspects of drawing. It is recommended as a foundation course for all fine art classes. Students draw with a variety of media, such as a pencil, charcoal, and ink in black and white as well as color. They will also learn the fundamentals of two-dimensional design. Class assignments will incorporate art history with projects designed to foster conceptual as well as technical understanding. There will also be computer-generated projects using the tablets.

#### **0154 PAINTING 1**

(½-Year Course − Spring) Credit(s) 0.5

This course introduces the students to the basic aspects of painting. It is recommended that the student has taken Drawing 1. Students paint with a variety of media, such as tempura, watercolors, and acrylics. They will also learn the fundamentals of two-dimension-al design. Class assignments will incorporate art history with projects designed to foster conceptual as well as technical understanding. There will also be computer-generated projects using the tablets.

#### 0250 DRAWING AND PAINTING 2

**Prerequisite:** Drawing 1 or Painting 1 or Art Department approval

Credit(s) 1

Students develop an ability to interpret and produce three-dimensional objects through use of elements of art such as line, form, and color. Still life structural representation, nature study, rendering, and portraiture will be investigated. Students study color in depth through the use of pencil, chalk, watercolor and paint. Students study the history of art in detail, as well as contemporary movements. Critiques and the objective development of student work are emphasized.

## 0820\_ INTRODUCTION TO ANIMATION

Credit(s) 1

This course will explore the illusion of movement and the development of animation through time. Students will engage in brainstorming, writing, storyboarding and creating animations using a traditional hands-on approach & computer generated. Students must be willing to draw on paper and write. This class uses Adobe Animate for most projects.

# 0830\_ADVANCED ANIMATION

Prerequisite: Introduction to Animation

Credit(s) 1

This course continues the exploration of the illusion of movement. Students will work to build their animation skills while exploring a variety of animation techniques. (ie: rotoscoping, information animations & stop motion) This class will work in Adobe Animate and After Effects.

#### 0720 ADOBE ILLUSTRATOR

Credit(s) 0.5

This course is intended for the beginner digital arts student as an exploration of the elements and principles of design using Adobe Illustrator. The student will learn about the tools and techniques of drawing on the computer as well as the fundamentals of design. It is a foundation course for further art courses.

## 0740\_ADOBE PHOTOSHOP

(%-Year Course – Spring) Credit(s) 0.5

This course is intended for the beginner digital arts student as an exploration of the elements and principles of design using Adobe Photoshop. The student will learn about the tools and techniques of photo-manipulation and the fundamentals of design. It is a foundation course for further art courses.

#### 0441 COMPUTER GRAPHIC ART AND DESIGN

Prerequisite: Adobe Photoshop

Credit(s) 0.5

Students develop and enhance graphic design skills while creating original works of art using a variety of techniques, tools, media, and processes. Scanners, printers, external devices, digital cameras, and other storage devices are used in the creation of traditional and electronic portfolio development. Class sessions include group critiques.

#### 0840\_MULTIMEDIA PRESENTATION

Prerequisite: Adobe Photoshop

Credit(s) 1

Students will explore different ways to communicate creative ideas while utilizing a variety of digital technologies, such as:

- Image editing (Photoshop)
- Digital video (Final Cut Pro, Premiere & After Effects)
- Animation (After Effects & Animate)
- Web Design (Dreamweaver)

#### 0191 DIGITAL PHOTOGRAPHY 1

(½-Year Course - Fall) Credit(s) 0.5

Students explore photography using digital cameras. Through a variety of assignments, students incorporate the elements and principles of art and design, aesthetics, history, and philosophy of photography. Ownership of a digital camera recommended; cell phones acceptable.

0205\_DIGITAL PHOTOGRAPHY 2

Prerequisite: Digital Photography 1

(1/2-Year Course - Spring)

Credit(s) 0.5

In this course students will refine their digital photography skills through learning how to master functions on their cameras, learning how to enhance their vision by using natural and artificial light, and learning how to use strobes, reflectors, and umbrellas to create an environment for taking photographs for fashion modeling, still life sets, and experimental lighting. Students will also learn how to create advanced photographic imagery for their portfolios.

#### 0400 STUDIO ART

Prerequisite: Drawing and Painting 2 and/or department permission

Credit(s) 1

This course is designed for the highly motivated student committed to a career in art. Students will work as a group and on developing an individual portfolio and may be required to spend additional extra time beyond class time to complete their projects. Students will use a variety of media from markers to charcoal, oil paint, acrylics, digital cameras (still and motion), and computer programs such as the Adobe suite. Each portfolio will vary according to the students' interests and talents and the particular requirements of the institution to which it is being submitted.

# 1340\_ARCHITECTURAL DRAFTING/ CAD TECHNOLOGY

Credit(s) 1

This course provides each student an opportunity to learn the different views that accompany drafting. Students will learn that precise measurements, clean drawn lines and legible lettering are important in relaying information. Once students have demonstrated these skills they will learn about house styles, designs, what encompasses each style of house and will research kitchen designs, room sizes, window styles, doors, bathrooms, etc. Each student will complete architectural plans for a single family residence starting with paper and pencil and learn Auto-CAD to complete the remaining floor plans, elevations, detail cross sections and other plans.

## 1701\_INTERACTIVE ART ROBOTICS

Prerequisite: Algebra 1 or higher

Credit(s) 1

Students will be introduced to the different components of robotics through computer programming, creating flow charts, Electronics/ Robotics and Design. With the use of C++ students learn programming methodology and how to structure, and write and problem solve simple and sophisticated programs. The Electronics/ Robotics section encompasses: Fundamentals of electronics, Ohm's Law, voltage, current, servos, LEDs, resistors, schematics, micro-processors, I/O controls, and the micro-processor programming language PBASIC.



Camila Cunha

## **VISUAL AND PERFORMING ARTS – MUSIC**

The music program offers a wide variety of individual and group listening, creating and performing opportunities on an elective basis.

Music provides students with opportunities to participate in a number of performances as a member of a variety of dynamic and active groups.

A broad range of courses provides instruction in instrumental and choral settings, theory, music history, appreciation and contemporary elements of music. These courses will enable students to experience group interaction and to develop a sense of dedication and commitment through music.

#### **COURSE OFFERINGS**

Band Digital Music Production

Piano Instruction 1 Digital Music Theory and Composition

Piano Instruction 2 Guitar Instruction 1
Concert Choir 1 Guitar Instruction 2

Concert Choir 2

Advanced Choir: Chamber Singers

## 7220\_BAND

**Prerequisite:** Previous study in instrumental music

Credit(s) 1

The purpose of this course is to continue studies in instrumental music. Participating in various concerts during the school year is required. This is a performance-based class requiring participation, performance, and attendance in class and at rehearsals as an integral part of the student's grade.

#### 7700\_PIANO INSTRUCTION 1

(½ Year Course – Fall) **Prerequisite**: None

Credit(s) 0.5

This class is intended for students who have little or no experience on a musical instrument. Students will learn how to read notation for the piano while playing music from various cultures and styles. This is a performance-based class where students will also use computers to aid instruction and evaluation

## 7710\_ PIANO INSTRUCTION 2

(
✓ Year Course – Spring)

**Prerequisite:** Piano Instruction 1 or permission of instructor.

Credit(s) 0.5

This class is intended for students who have had experience on the piano. The focus of this class is to further the students' abilities on the piano through sight-reading, advanced repertoire and higher level theory work. This is a performance-based class where students will be working alone and in groups. Students will also use computers to aid instruction and evaluation.

## 7210\_CONCERT CHOIR 1

Credit(s) 1

This course explores opportunities in ensemble singing of sacred and secular music. The study of proper vocal technique, diction, tone production, fundamentals of music theory, and performance etiquette will be developed through the daily study and performance of a varied repertoire.

#### **7212 CONCERT CHOIR 2**

Credit(s) 1

This course is for students who have successfully completed Concert Choir 1 and would like to continue developing their vocal techniques and performance skills.

#### 7430 ADVANCED CHOIR: CHAMBER SINGERS

**Prerequisite:** Vocal audition

Credit(s) 1

This course involves advanced studies in choral literature. This is a performance-based class with participation, performance, and attendance in class, at rehearsals, and at concerts as integral parts of the student's grade.

#### 1961\_DIGITAL MUSIC PRODUCTION

Prerequisite: None

Credit(s) 1

This is a project-based class where students will compose and produce their own music that will be recorded to Mp3. Students will learn a variety of recording and production software that they will use to create their own compositions. Students will also learn the fundamentals of music and the piano.

#### 7630\_DIGITAL MUSIC THEORY AND COMPOSITION

**Prerequisite:** Digital Music, Piano Instruction 1, Guitar 1, or permission of instructor Credit(s) 1

This is a project-based class that will focus on computer aided music theory and composition. Students will learn a variety of recording and production software that they will use to create and produce their own compositions. Students will also continue with piano instruction.

#### 7720\_GUITAR INSTRUCTION 1

(½-Year Course – Fall)

**Prerequisite:** Students must own or rent their own guitar. (An acoustic guitar is recommended;

no amplifiers will be allowed.)

Credit(s) 0.5

This class is intended for students who have little or no experience on a musical instrument. Students will learn the basics of chords, rhythm, and notation for the guitar. This class will focus on the fundamentals of playing the guitar while performing music from various cultures and styles. This is a performance-based class where students will be working alone and in groups.

#### 7730\_GUITAR INSTRUCTION 2

(

∠ Year Course – Spring)

**Prerequisite:** Successful completion of Guitar Instruction 1 or permission of instructor.

Credit(s) 0.5

Students must own or rent their own guitar. (An acoustic guitar is recommended; no amplifiers will be allowed.) This class is intended for students who have experience on the guitar. The focus of this class is to further the students' abilities on the guitar through sight-reading and performing music from various cultures and styles. This is a performance-based class where students will be working alone and in groups.

#### **HEALTH AND PHYSICAL EDUCATION**

The Health Education Program provides students with a comprehensive study of various aspects of personal health, including fitness, nutrition, disease, first aid, mental health, safety, community health and welfare, and substance use and abuse.

The Physical Education Program provides a comprehensive and sequential progression of learning experiences, which contributes to the total growth and development of students. Students review and refine skills and sport strategies while developing a positive approach to fitness.

#### **COURSE OFFERINGS**

Physical Education 1 & 2 Health 1 & 2

Healthy Skills (administrative referral) Human Behavior 1 & 2

#### 9310 PHYSICAL EDUCATION 1

(1/2 Year Course – Fall) Credit(s) 0.5

The physical education program parallels the health program in encouraging students to develop and maintain good fitness for life. All students will participate in a comprehensive Personal Fitness Program, which will include a battery of fitness tests. They will be introduced to team sports such as: soccer, flag football, softball, floor hockey, volleyball, basketball, team handball, and wiffle ball. Individual sports include tennis and badminton.

#### 9900\_HEALTH 1

Credit(s) 0.5

This course examines the relationship that exists among physical, emotional, and social health. Students explore the decision making process and learn how their decisions contribute to their personal health and lifelong wellness. Topics emphasized include, but are not limited to, emotional health, nutrition, fitness, substance use and abuse, sexual health, violence prevention, and responding to emergencies.

## 9910\_HEALTH 2

Credit(s) 0.5

This course examines topics covered in Health 1 in greater detail and depth. Students continue to explore the decision making process and learn how their decisions contribute to their personal health and lifelong wellness. Topics emphasized include, but are not limited to, emotional health, nutrition, fitness, substance use and abuse, sexual health, violence prevention, and responding to emergencies.

#### 9160\_PHYSICAL EDUCATION 2

(1/2 Year Course – Spring) Credit(s) 0.5

This physical education program includes the state mandated Physical Fitness Assessment and Substance Abuse unit, weight training, and a choice of team and/or individual sports. Choices include archery, table tennis, tennis, golf, basketball, power volleyball, and slow pitch softball.

#### 9800\_HUMAN BEHAVIOR 1

Grade: 11, 12 Credit(s) 0.5

This course examines the principles of human behavior through guided group discussions. Major topics emphasize group behavior, team building, development of a positive self-image, and conflict resolution/mediation. In addition, students explore various forms of self-destructive behavior.

#### 9840 HUMAN BEHAVIOR 2

Grade: 11, 12 Credit(s) 0.5

This course continues to examine the principles of human behavior through guided group discussions. Major topics emphasize gender roles, dating relationships, marriage, family life, human sexuality, pregnancy and death. The course also explores life philosophies in relationship to these topics.

#### **MATHEMATICS**

The mathematics department is organized to develop and implement a curriculum that will give every graduate of Stamford Public Schools the knowledge, understanding, and skills they will need in mathematics to compete in the 21<sup>st</sup> century world economy.

Instruction is varied and includes teacher-centered, group work, inquiry-based, and individual learning. Graphing calculators and used extensively in every course. Some classes also include computer software applications.

Homework is given regularly and is expected to be completed. Tests and quizzes model homework and class-work. Both homework and assessments play a vital role in the teacher evaluation of a student.

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|----------------------|----------------------------|-------------------------------------|--|
| COURSE OFFERINGS     |                            |                                     |  |
| Algebra 1            | Electives:                 | AP Computer Science                 |  |
| Geometry             | Academic Intervention -    | Applied Math: Introduction to Aero- |  |
| Geometry honors      | Mathematics                | space and Engineering               |  |
| Algebra 2            | Algebra 3 and Trigonometry | Applied Math Honors: Introduction   |  |
| Algebra 2 honors     | AP Statistics              | to                                  |  |
|                      | Pre-Calculus               | Aerospace and Engineering           |  |
|                      | Pre-Calculus               | Statistics and Probability          |  |
|                      | Calculus honors            | Math Lab 1 & 2                      |  |
|                      | AP Calculus AB             | Mathematical Modeling               |  |
|                      | AP Calculus BC             |                                     |  |

## 9744\_ACADEMIC INTERVENTION-MATHEMATICS

Credit(s) 0.5

The goal of Academic Intervention is to provide short-term assistance to students who need academic support during the school day. Students are identified for placement through the Scientific Research-based Intervention (SRBI) process. Students will have the opportunity for small group direct instruction from a teacher as well as independent practice. Specific services, supports and goals will be determined on an individual basis by the Student Support Team (SST).

#### **6100 ALGEBRA 1**

Credit(s) 1

This course covers solving equations and inequalities, graphing lines and systems of equations and inequalities. It also introduces students to function notation and quadratics and familiarizes them with properties of exponents and exponential functions.

## 6250\_GEOMETRY 6240\_ GEOMETRY HONORS

Prerequisite: Algebra 1

Credit(s) 1

This course examines the attributes and relationship of geometric objects among plane and solid figures including properties of lines and angles, triangles, quadrilaterals, circles, length, area, surface area and volume of solids, as well as inductive reasoning and proof. Emphasis is on algebraic, geometric, and graphic representation with critical thinking activities, using computers and graphing calculator technology.

## 6200\_ALGEBRA 2 6210 ALGEBRA 2 HONORS

Prerequisite: Geometry and Algebra 1

Credit(s) 1

This course examines the properties of real numbers, linear equations and functions, inequalities, linear systems of equations, quadratic and polynomial functions, rational and radical functions, exponential and logarithmic functions. Emphasis is on algebraic, geometric, and graphic representation of these topics through critical thinking activities, as well as the use of computers and graphic calculator technology. Students focus on problem solving and real life applications throughout the year, as well as skills required for the SAT examination.

#### 6850 ALGEBRA 3 AND TRIGONOMETRY

(½ Year Course – Fall) **Prerequisite:** Algebra 2

Credit(s) 0.5

This course is recommended for Junior and Senior students not taking pre-calculus. It is designed to enhance the student's reasoning skills and mathematical understanding. The major concepts of Algebra, Geometry, and Trigonometry will be rigorously revisited to help prepare the student for real world modeling. SAT/ACT preparation is included in the framework of this course. Computer software and graphing calculators will be utilized for instruction.

## 6360\_AP STATISTICS

**Prerequisite:** Algebra 2

Credit(s) 1

AP Statistics is a full year non-calculus based course that introduces the major concepts and tools for collecting, analyzing, and formulating conclusions from raw data. Students will be exposed to

several broad conceptual themes: Data Exploration, Probability, Linear Regression, Statistical Inference, Sampling and Experimental Design. This course is designed to meet the same objectives as a first year Statistics course at a college level. Graphing calculators and/or computer software will be used as an integral part of the study.

# 6320\_PRE-CALCULUS 6330\_PRE-CALCULUS HONORS

Prerequisite: Algebra 2

Credit(s) 1

This course examines the properties of functions and modeling, advanced analysis of polynomial, rational exponential and logarithmic functions, trigonometric analysis, polar coordinates and complex numbers. Emphasis is on algebraic, geometric, and graphic representation of these topics through critical thinking activities, as well as the use of computers and graphic calculator technology. Students focus on problem solving and real life applications throughout the year, as well as skills required for the SAT examination.

## 6340 CALCULUS

**Prerequisite:** Pre-Calculus

Credit(s) 1

This course examines the advanced properties of functions, including limits and continuity, the techniques of differential and integral calculus. Emphasis is on algebraic, trigonometric, and exponential functions of these topics through critical thinking activities, as well as the use of computers and graphic calculator technology. Students focus on problem solving and real life applications throughout the year.

#### **6290 AP CALCULUS AB**

**Prerequisite:** Pre-Calculus or Pre-Calculus

Honors Credit(s) 1

This intensive college level calculus course examines the advanced properties of functions, limits, and continuity, as well as the techniques of differential and integral calculus. These will be developed and applied to algebraic, trigonometric, and exponential functions. Student experiences focus and emphasize on problem solving and real life applications through critical thinking activities, as well as the use of computers and graphic calculator technology.

#### **6291 AP CALCULUS BC**

**Prerequisite:** Pre-Calculus Honors

Credit(s) 1

This intensive college level calculus course examines the advanced properties of functions, limits, and continuity. Techniques of differential and integral calculus and concepts of sequences and series will be developed and applied to algebraic, trigonometric, exponential parametric and polar functions. Student experiences focus and emphasize on problem solving and real life applications through critical thinking activities as well as the use of computers and graphing calculator technology.

#### 6640 AP COMPUTER SCIENCE

Prerequisite: Algebra 2

Credit(s) 1

This intensive college level Computer Science course examines the advanced properties of data structures, design and algorithm development using Java as the programming language. Student experiences focus on and emphasize problem solving and real life applications through critical thinking activities including the social and ethical implications of computer use.

## 6680\_APPLIED MATH: INTRODUCTION TO AEROSPACE AND ENGINEERING 6681 APPLIED MATH: INTRODUCTION TO AEROSPACE AND ENGINEERING HONORS

Prerequisite: Algebra 1

Credit(s) 1

This is mathematically intensive hands-on course in which students learn to model physical systems using Algebra, Geometry, and Trigonometry in the domains of ballistics, aerodynamics, and electricity. Students will test their mathematical models by building and operating model rockets, ground support systems, and airplanes equipped with cameras, altimeters, and accelerometers, and analyzing flight data. The prerequisite is Algebra 1 and students will be expected to work independently with minimal direction as they discover solutions to open-ended real world engineering problems from NASA and industry.

#### 6860\_STATISTICS AND PROBABILITY

(½ Year Course – Spring)
Prerequisite: Algebra 3

Credit(s) 0.5

This course will utilize a creative and research based learning format, providing opportunities for real world critical thinking and deduction skills. Students will use a hands-on approach to explore applications in Science, Sports, Business, Social/Political Sciences, and Engineering. Students will develop research and data analysis skills across disciplines within a technology rich environment through the integration of Excel, graphic calculator, and Internet resources.

#### 6901 MATH LAB 1

Credit(s) 0.5

This course is designed to assist students with various areas of growth in mathematics to ensure their success in high school algebra. During Math Lab, students develop math skills through direct instruction, software, and individual practice. Course enrollment is determined by grades, assessment data, and referral.

#### 6902 MATH LAB 2

Credit(s) 0.5

This course is for students who need additional time and support with math concepts and skills. Course enrollment is determined by grades, assessment data, and referral.

#### 6359 MATHEMATICAL MODELING

Credit(s) 1

This course invites students to use math to create and manipulate models of real-world situations and things of interest to them. Students will use mathematical rigor to make models in the form of graphs, schematic drawings, equations and objects. The models will then be used for problem solving, critical evaluation of numerical information, decision making, and economics in real-world applications. Building and using models will develop and leverage skills including numeracy, ratio and proportional reasoning, algebra and statistics. In this way, students will experience the usefulness of the math they've learned, and improve their abilities as they do so.

## **SCIENCE**

We live in a world that is dominated by the influence of science and technology. The ability to make informed decisions as voters and consumers requires an understanding and appreciation of the nature of science. Since science is both a body of knowledge and a process of investigation, these two components are an integral part of each science course offering. Students should expect a rigorous course of study that encourages higher-level reasoning, incorporates the use of technology, and involves laboratory inquiry. Skills in reading, writing, and mathematics are an important component of science instruction. Science courses are carefully aligned with the National Standard of Science Education and the Connecticut Science Frameworks and develop appropriate skills for the SAT. All students are encouraged to take four years of science including a balance of the life sciences and the physical sciences.

#### **COURSE OFFERINGS**

Biology Environmental Biology

Biology honors UConn ECE/AP Environmental Science

AP Biology
Chemistry
Marine Biology
Forensic Science

Chemistry honors Forensic Science honors
AP Chemistry Human Physiology

Conceptual Physics Human Physiology honors

Conceptual Physics honors Principals of Biomedical Science (PLTW)

Physics Human Body Systems (PLTW)
Physics honors Medical Interventions (PLTW)
AP Physics 1 Biomedical Innovation (PLTW)

AP Physics 2 Science Research

UConn ECE Physics 1201Q

## 8110\_ BIOLOGY 8120\_BIOLOGY HONORS

UConn ECE Physics 1202Q

Credit(s) 1

The course is the continuation of the Physics First format of instruction at AITE. Building on the skills and NGSS concepts learned in Conceptual Physics and Chemistry, this course explores biological principles in a comprehensive, evolutionary approach to explore the diversity of the living world. The course examines: chemistry of life, cell biology, genetics, evolution, and classification (including microorganisms, fungi, plants, invertebrates, and vertebrates). Students' understanding of biology is fostered through laboratory investigations, problem solving, and

critical thinking activities. Laboratory investigations, emphasizing data analysis, questioning, argumentation, and inquiry, are an integral part of this course.

#### 8360 AP BIOLOGY

**Prerequisite:** Biology, Chemistry, and two years of mathematics

Credit(s) 1

This course is planned to meet the objectives of a rigorous course in first year biology at the college level. Topics will include: molecules and cells, heredity and evolution, organisms and populations, biotechnology and genetics. Laboratory investigations are an integral part of this course. Each student should complete a lab notebook or portfolio of lab reports.

## 8210\_CHEMISTRY 8280 CHEMISTRY HONORS

Credit(s) 1

This course is the continuation of the Physics First format of instruction at AITE. Building on the skills and NGSS concepts learned in Conceptual Physics, this course examines: atomic structure, periodicity, ionic and covalent bonding, chemical equations, stoichiometry, solutions, reaction rates, chemical equilibrium, acids and bases, oxidation and reduction, electrochemistry, and hydrocarbons and functional groups.

#### 8420\_AP CHEMISTRY

**Prerequisite:** Two years of laboratory science including Chemistry (Honors Chemistry is recommended) and two years of mathematics

Credit(s) 1

This course is designed to meet the objectives of a rigorous course in first year chemistry at the college level. Topics include: the structure of matter, kinetic theory of gases, chemical equilibrium, chemical kinetics, and the basic concepts of thermodynamics. Each student completes a lab notebook or portfolio of lab reports. Laboratory investigations are an integral part of this course.

## 8320\_CONCEPTUAL PHYSICS 8321\_CONCEPTUAL PHYSICS HONORS

Credit(s) 1

This course introduces students to scientific tools and methods and provides an introduction to physics. Topics covered include measurement conversion, model creation, use of scientific methods, interpretation of atoms, identification of the properties of common compounds, the impact

of force on linear motion, and the study of various physical phenomena and forms of energy. This NGSS aligned freshman course prepares students to take Chemistry in sophomore year followed by Biology in junior year.

#### 8310\_PHYSICS

## 8400\_PHYSICS HONORS

Prerequisite: Algebra 2 (or concurrent enrollment) and two years of high school science

Credit(s) 1

This course explores classical and modern physics principles in a comprehensive approach. The course examines: Newtonian mechanics, heat, kinetic theory and thermo-dynamics, electricity and magnetism, waves and optics, historical astronomy, and nuclear physics. Students' understanding of physics is fostered through laboratory investigations, problem solving, and critical thinking active-ties. Laboratory investigations are an integral part of this course. As a result of this course, students develop a deeper understanding of physics and its related applications.

#### 8384 AP PHYSICS 1

Prerequisite: Geometry and concurrent enrollment in Algebra 2

Credit(s) 1

This course is the equivalent to a first semester college course in algebra-based physics. Topics include: Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Inquiry-based investigations are emphasized. These investigations are designed to foster student engagement in the practice of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting, where they direct and monitor their progress toward an academic goal. Laboratory investigations are an integral part of this course.

#### **8385 AP PHYSICS 2**

**Prerequisite:** AP Physics 1 or comparable introductory physics course and Pre-calculus or concurrent enrollment in Pre-calculus

Credit(s) 1

This course is the equivalent to a second semester college course in algebra-based physics. Topics include: fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Inquiry-based investigations are emphasized. These investigations are designed to foster student engagement in the practice of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting, where they direct and monitor their progress toward an academic goal. Laboratory investigations are an integral part of this course.

#### 8390\_UCONN ECE PHYSICS 1201Q

Grade: 11, 12

Prerequisite: Biology, Chemistry, Algebra 2, concurrent enrollment in Pre-Calculus or Calculus,

and a summer assignment prior to the start of the academic year

Credit(s) 1

This full year college physics course is designed to provide a strong physics foundation for more advanced courses in college science. The topics covered include classical dynamics, rigid-body motion, harmonic motion, waves, fluids, and thermo-dynamics, as well as other selected topics. Laboratory work is a key component of the course and offers fundamental training in precise measurements. Students must have a very strong science and mathematics back-ground to ensure successful comprehension and completion of this course.

#### 8391 UCONN ECE PHYSICS 1202Q

Grade: 11, 12

**Prerequisites:** Completion of UCONN 1201Q with a "C" or better and a summer assignment

prior to the start of the academic year

Credit(s) 1

This full year college physics course is designed to provide a strong physics foundation for more advanced courses in college science. The topics covered include classical electrostatics, electricity, magnetism, optics and modern physics as well as other selected topics. Laboratory work is a key component of the course and offers fundamental training in precise measurements. Students should have a very strong science and mathematics background to ensure successful comprehension and completion of this course.

#### 8460\_ENVIRONMENTAL BIOLOGY

Credit(s) 0.5

Students in this course will explore the scientific study of the origins, functions, relationships, interactions, and natural history of living populations, communities, species, and ecosystems in relation to dynamic environmental processes. Students will also study biodiversity, molecular, genetic, and genomic evolution, mesoscale ecology, computational biology and modeling, conservation biology, local and global environmental change, and restoration ecology.

## 8741\_ AP ENVIRONMENTAL SCIENCE 8820\_ UCONN ECE ENVIRONMENTAL SCIENCE

**Prerequisites**: Biology and Chemistry

Credit(s) 1

This course is an introduction to basic concepts and areas of environmental concern and how these problems can be effectively addressed. Topics include human population; ecological principles; conservation of biological resources; biodiversity; croplands, range-lands, forestlands; soil and water conservation; pollution and water management; and wildlife and fisheries conservation. Laboratory investigations are an integral part of this course.

#### **8760 MARINE BIOLOGY**

Prerequisite: Two years of science, one being Biology

Credit(s) 0.5

This course investigates the marine environment of Long Island Sound. The course includes the biological, physical, and chemical factors of the marine environment, and includes marine diversity and ecology. Students' understanding of marine biology is fostered through laboratory investigations and field experiences that include the collection and identification of plant and animal populations from aquatic samples. As a result of this course, students develop a deeper understanding of the concepts and principles of marine biology and its related applications. Laboratory investigations are an integral part of this course.

## 8510\_ FORENSIC SCIENCE 8512\_ FORENSIC SCIENCE HONORS

**Prerequisite:** Biology and Chemistry

Credit(s) 0.5

This course explores the various scientific applications of solving crimes in a comprehensive approach. Students will perform numerous laboratory techniques. This course examines analyzing fingerprints, blood spatter, DNA, firearms and ballistics, arson and explosives, natural and synthetic fibers, documents, impression evidence, glass fragments, and case studies. Laboratory investigations, with an emphasis on qualitative data, are an integral part of this course. Students work independently and as teams to develop, communicate, and defend scientific arguments based on their findings to solve crime scene investigations and to analyze case studies. Students will complete a comprehensive research project including an annotated bibliography and formal presentation.

## 8200\_HUMAN PHYSIOLOGY 8203\_ HUMAN PHYSIOLOGY HONORS

**Prerequisite:** Biology and Chemistry

Credit(s) 0.5

This course explores the structures and functions of the human body. This course examines: body organization, systems for support and movement, systems of communication, control and integration, transportation, respiration, nutrition, excretion, reproduction, defense, and adaptation. Laboratory investigations, including a fetal pig dissection, are an integral part of this course. Case studies, with an emphasis on bioethics, will be used to understand the connections between the different body systems. Students will complete a comprehensive, independent research project including an annotated bibliography, research paper, and formal presentation.

## 8870\_PRINCIPLES OF BIOMEDICAL SCIENCE (PLTW)

Credit(s) 1

This is the first of a four-course sequence in which students explore the concepts of human medicine and are introduced to research processes and to bioinformatics. Hands-on projects enable students to investigate human body systems and various health conditions.

## 8880\_HUMAN BODY SYSTEMS (PLTW)

**Prerequisite:** Principals of Biomedical Science

Credit(s) 1

Students examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health. Students work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

#### 8910\_MEDICAL INTERVENTIONS (PLTW)

**Prerequisite:** Principles of Biomedical Science, and Human Body Systems Credit(s) 1

Students investigate a variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. Each family case scenario introduces multiple types of interventions and reinforces concepts learned in the previous two courses, as well as presenting new content.

#### 8920 BIOMEDICAL INNOVATION (PLTW)

**Prerequisite:** Principles of Biomedical Science, Human Body Systems, and Medical Interventions Credit(s) 1

In this capstone course, students apply their knowledge and skills to answer questions and solve problems related to the biomedical sciences. Students design innovative solutions for current health challenges, have the opportunity to work on independent research projects, and, if available, participate in a medical related internship.

#### 8500 SCIENCE RESEARCH

Credit(s) 1

This is a research and seminar based course for juniors and seniors who have taken biology, chemistry, and physics and are considering studying science at the college level. Students read and research scientific literature and make presentations on critical experiments or new technologies in modern science. By the end of the course students will conduct research and write comprehensive research papers on topics in cutting edge fields such as green energy, nanophysics, and biotechnology.



Bianca Benefetti

#### **Alternatives to Dissection**

Dissection is one of many instructional methods used in life science courses. Students may request alternatives to dissection. Alternatives include such materials as videos, computer programs, films, models, transparencies, charts, diagrams, dissecting microscopes, and textbook overlays. If alternatives to dissection are requested, teacher assistance will be available at all times, and no grades may be adversely affected because alternatives are requested.

#### SERVICE LEARNING

#### **COURSE OFFERINGS**

Student Assistant Technical Assistant

#### 9000\_STUDENT ASSISTANT

Grade 12 Credit(s) 1

Students can earn community service hours for completing school-related performance based tasks under the direct supervision of an assigned faculty advisor. Student attendance and successful task completion are major determinants of the course grade. Some of the approved areas in which student assistants have worked in the past include the media center, the school counseling office, and the resource room as tutors.

#### 9020\_TECHNICAL ASSISTANT

Prerequisite: Technology teacher recommendation

Grade 12 Credit(s) 1

Students can earn community service hours for completing school-related technical tasks under the direct supervision of an assigned faculty advisor. Student attendance and successful task completion are major determinants of the course grade. Some of the approved areas in which student technical assistants have worked in the past include setting up for school assemblies, maintaining audio visual equipment, and troubleshooting basic computer or other technical equipment problems.



Stefanie Veliz

#### OTHER COURSE OFFERINGS

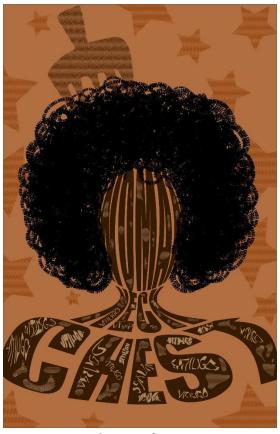
#### **COURSE OFFERINGS**

First-Year Seminar

#### 9208\_FIRST-YEAR SEMINAR

Grade 9 Credit(s) 0.5

First-Year Seminar is a required course that offers ninth-graders relevant skills, tools, and knowledge to navigate high school effectively and informs decisions for life beyond graduation. This course will introduce 9th graders to the culture of their school, focusing on the traditions, activities, and services available. Students will work on academic planning; career development; and explore related post-secondary education and training options. Topics may include study skills/test preparation, goal setting, career pathways, career planning, course selection, conflict resolution, team building, school climate, advocacy, and others.



**Stacey Pierre** 

## **SOCIAL STUDIES**

The Social Studies program is designed to prepare students to take an active role in the affairs of their local, state, national, and global communities. It explores the traditions and ideals of our national heritage and their relationship to the history of the world. The focus is on the process of reaching rational decisions based on facts gathered through research; the rules and responsibilities of a just society; the importance of economic and geographic relationships; and the richness of our history and its diversity. With a thorough knowledge of historic foundations, students develop the skills and competencies to become responsible citizens in our democratic society.

#### **COURSE OFFERINGS**

Required for Freshmen:

Social Studies 9: Modern

World History

Social Studies 9: Modern

World History honors

Recommended for Sopho-

mores:

World History Electives African-American/La-

tino/Puerto Rican Studies

Pre-AP Early US History

**Recommended for Juniors:** 

**US History Electives** 

**Required for Seniors:** 

Civics 1 & 2 or

UConn ECE/AP United States

Government and Politics

**US History Electives** 

African-American/Latino/Puerto Rican Studies

Pre-AP Early American His-

tory

United States History

UConn ECE/AP United

States History

United States History:

Global Interactions
United States History: The

American People

**World History Electives:** 

The Middle Ages

Middle Eastern Studies UConn ECE/AP European

History

Human Rights/Model

**United Nations** 

AP Human Geography

**Additional Electives:** 

**Debate and Rhetoric** 

Debate and Rhetoric honors Advanced Debate and Rhet-

oric

UConn ECE/AP Macro-

economics

UConn ECE/AP Micro-

economics

Introduction to Psychology Introduction to Sociology

5010\_SOCIAL STUDIES 9: MODERN WORLD HISTORY 5000\_SOCIAL STUDIES 9: MODERN WORLD HISTORY HONORS Credit(s) 1

Students in this course will learn the history of the modern world. Topics include: the age of revolution, industrialization, imperialism, World War I, World War II, the Cold War, the independence movements, and globalization.

#### **5670 PRE-AP EARLY AMERICAN HISTORY**

Credit(s) 0.5

Students in this course is designed to prepare students to meet the requirements of AP US History, a rigorous first-year college level course. The course of study includes the origins of nation, the Revolution, the Constitution, development of our political system, industrialization, and the Civil War. This course should be taken in the second semester of the sophomore year.

## **5891 HUMAN RIGHTS/MODEL UNITED NATIONS**

Credit(s) 0.5

Students in this course will examine the philosophical foundations, practical application, and limitations of human rights in the twentieth century. The history of the United Nations will be at the heart of case studies such as war, genocide, and terrorism will sharpen our focus and provide tangible examples of the UN's limitations and successes. These studies will also serve as the basis for our Model UN simulations that aim to teach students modern human rights history via an experiential learning format.

#### **5211\_ UNITED STATES HISTORY: GLOBAL INTERACTIONS**

Credit(s) 0.5

Students in this course will examine America's global interactions in the 20<sup>th</sup> and 21<sup>st</sup> centuries. A thorough focus on immigration and various foreign policy actions, from World War I to the War on Terror, will provide the students with a stronger understanding of America's standing in the world today.

#### **5212 UNITED STATES HISTORY: THE AMERICAN PEOPLE**

Credit(s) 0.5

Students in this course will explore, analyze and compare stories of different groups in American History with an emphasis on the 20<sup>th</sup> and 21<sup>st</sup> centuries. Students will learn about the

struggles, contributions and successes of Native Americans, Latinos, African Americans, European Americans, Asian Americans, LGBTQ+, and Women. Students will also contextualize these narratives into the broader scope of United States History

#### 5200\_UCONN ECE/AP UNITED STATES HISTORY

Credit(s) 1

AP United States History is equivalent to a two-semester introductory college-level course in US History. This course surveys political, social, and cultural developments in American history from 1877 to the present.

#### **5710 CIVICS 1**

Credit(s) 0.5

This Civics 1 course focuses on values and principles of American democracy and the structure of state, local, and federal government. The course examines the relationship between the United States and other nations in regard to foreign affairs and includes a study of media, political parties, minority groups, and special interest groups in the service of preparing students to assess their roles and responsibilities in the American political system.

#### **5730 CIVICS 2**

Credit(s) 0.5

The Civics 2 course is a continuation of Civics 1 and will focus on important principles of American Democracy including the structure and function of state and local government. This course will also examine the impact of interest groups and the media on the political process and the relationship between the United States and other nations in regard to foreign policy and international relations.

## **5950\_ UCONN ECE/AP UNITED STATES GOVERNMENT AND POLITICS** Credit(s) 1

AP United States Government and Politics is an introductory college-level course in US government and politics. This course introduces key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. In addition, students will complete a political science research paper or applied civics project.

#### 5830\_THE MIDDLE AGES

Credit(s) 0.5

This course is a review of the 1000 year period from the fall of the Roman Empire through the Reformation. It begins with the Barbarian invasions, rise of Germanic cultures, the High Middle Ages with the Crusades and advances in science and technology, and the High Middle Ages including the Renaissance and the Reformation.

#### 5660\_MIDDLE EASTERN STUDIES

Credit(s) 0.5

Students in this course will take a detailed look at the individuals, events, and movements that have shaped the modern Middle East from the Arab-Israeli conflict to the September 11 attacks. Through individual research and classroom inquiry the students will gain a greater understanding of the history that has produced the complex and nuanced Middle East we know today.

## 5860\_DEBATE AND RHETORIC 5865 DEBATE AND RHETORIC HONORS

Credit(s) 1

Students in this course will learn methods of debate and rhetoric. Students learn how to: communicate clearly and persuasively; construct and deliver strong arguments; think and speak on their feet; and research topics efficiently and effectively. Additionally, students learn about current events and contemporary issues in the United States and the rest of the world. This class is open to seniors and juniors. Freshmen and sophomores may enroll with instructor's permission.

#### **5861 ADVANCED DEBATE AND RHETORIC**

Credit(s) 1

Students in this course will expand and refine their debate and rhetoric skills. Students will not only continue to work on extemporaneous debate but also explore other debate formats. In the process, students will learn advanced research skills, philosophy, logic, and decision theory. This course is open to sophomores, juniors, and seniors and is intended for students who have completed the Debate and Rhetoric course or have experience with competitive formal debating.

#### **5640 UCONN ECE/AP EUROPEAN HISTORY**

Credit(s) 1

AP European History is an introductory college-level European history course. This course will cover historical developments in European history from 1500 to the present.

#### **5690 AP HUMAN GEOGRAPHY**

Grades: 10, 11, 12

Prerequisite: Social Studies 9: Modern World History

Credit(s) 1

This course introduces students to the systematic study of patterns and processes that have shaped human understanding and use of the Earth's surface. Students use spatial concepts and analysis through the study of geographic research methods and tools, population and migration, political geography, agriculture and rural land use, cities and urban land-use, and industrial and economic development.

## **5980 UCONN ECE MACROECONOMICS**

Credit(s) 0.5

Students in this course will learn the organization and function of the economic system as a total unit; economic decisions, institutions, and policies that determine levels and rates of growth of production, employment, and prices; and topical subjects (e.g., government budget deficits and current interest rate policy).

## **5820 UCONN ECE MICROECONOMICS**

Credit(s) 0.5

Students in this course will learn how the invisible hand of the market functions through the economic decisions of firms and individuals; how prices, wages, and profits are determined; how resources are allocated; how income is distributed; and topical subjects (e.g., energy policy and health care).

#### 5610 INTRODUCTION TO PSYCHOLOGY

Credit(s) 0.5

This course is a survey of topics in the field of psychology. Topics include biological influences on behavior, personality, learning, memory, and abnormal psychology.

#### 5040\_SOCIOLOGY

Credit(s) 0.5

Students in this course will study the nature of society as it relates to various topics including racial and ethnic identity, gender, class, education, and urban issues.

# **5391\_AFRICAN-AMERICAN/LATINO AND PUERTO RICAN STUDIES** Credit(s) 1

This course is offered as a full-year elective course that provides students with a better understanding of the African-American, Black, Puerto Rican, and Latino contributions to United States history, society, economy, and culture. The first semester will be African-American Studies with emphasis on African origins and contributions of Ancient African empires, slavery and freedom stories of resistance and agency, Black literacy, organization, and liberation, history of equity, Black movement for equity and protest, politics and power.

The second semester will be Latin American/Puerto Rican Studies with emphasis on Who are we? (Latino vs Hispanic) Early beginnings: Indigenous tribal history of Aztecs, Maya, Incas and Taino people, Blood and Beauty: Conquest and slavery, Sweat: Colonial era of North and South America, Resistance: Revolution and Protest Movements, and Where are we now: Contemporary Latino and Puerto Rican history in the United States and Latin America. This course is aligned with Connecticut Social Studies Frameworks. The course is an opportunity for students to explore accomplishments, struggles, intersections, perspectives, and collaborations of African American/Black and Puerto Rican/Latino people in the U.S.



**Stacey Pierre** 

#### **WORLD LANGUAGES**

Modern technology has made it imperative that we learn to communicate successfully with people of other lands in and through their native language. The AITE World Languages program provides for instruction in five modern languages as well as in the classical language of Latin. The program emphasizes communication and understanding and appreciation of other people's literature and culture. It also recognizes the need for developing speaking competence and proficiency in the language of the student's choice, as related to possible career goals. World language classes are taught according to the Stamford Board of Education and State of Connecticut curriculum guidelines of communication, cultures, connections, comparisons, and communities. Using interdisciplinary philosophies as well as varied technology-based strategies, students learn to communicate effectively in a target language as citizens of the global community. It is recommended that students complete a minimum of a four-year sequence in one of the six world languages

| COURSE OFFERINGS   |   |  |  |
|--|---|--|--|
| French 1, 2, 3, 4<br>UConn ECE French<br>AP French (VHS) | Mandarin Chinese 1, 2, 3, 4 AP Chinese Language and Culture | Spanish 1, 2, 3, 4 Spanish 5 honors Heritage Spanish 1 Heritage Spanish 2 honors |  |
| Latin 1, 2, 3, 4<br>AP Latin                             | Russian 1, 2, 3, 4<br>AP Russian                            | AP Spanish Language<br>UConn ECE Spanish   |  |

#### 4100 FRENCH 1

Credit(s) 1

This introductory course is designed for students with little or no previous study of French, focusing on all four language skills: listening, speaking, reading, and writing, while emphasizing oral communication and cultural connections. In addition to traditional methods of assessment, students will role-play, make small oral presentations, and engage in guided conversations. Students are expected to participate in the COLT Annual Poetry Contest and in Le Grand Concours.

#### 4200 FRENCH 2

Credit(s) 1

This course continues to develop the skills begun in French 1 through listening, speaking, reading, and writing, with a special emphasis on oral communication and cultural connections. In addition to traditional methods of assessment, students will role-play, make small presentations, and engage in guided conversations. Students are expected to participate in the COLT Annual Poetry Contest and in Le Grand Concours.

#### 4300 FRENCH 3

Credit(s) 1

This course develops language acquisition more in depth through the four language skills: listening, speaking, reading, and writing, with an increasing emphasis on reading a wider variety of materials. Students will achieve a higher degree of comprehension and will be able to communicate cultural materials in broader terms by making presentations, writing compositions, doing readings, dictations, and presenting their own skits. Students are expected to participate in the COLT Annual Poetry Contest and in Le Grand Concours.

#### 4400\_FRENCH 4

Credit(s) 1

This course is focused on listening, speaking, reading, and writing at the intermediate/pre-advanced proficiency levels through a variety of authentic resources such as radio and TV announcements, newspapers and magazines, Francophone literature, as well as other nonfiction texts. Students will demonstrate their oral proficiency through debates and discussions of historical, social, and cultural aspects of life in the target language. Students are expected to participate in the COLT Annual Poetry Contest and in Le Grand Concours.

#### **4540 UCONN ECE FRENCH**

Prerequisite: Satisfactory completion of French 4

Credit(s) 1

Selected instructors who are certified by UConn may offer this as an option through the UConn Early College Experience program, either concurrently with enrollment in an upper-level French course or as a separate course. The instructors have the option of offering one course as a yearlong 3-credit course or one 3-credit course each semester for an annual total of 6 credits. The courses which may be offered are French 3267 French Language and Culture or French 3268W Writing in French. Course descriptions and other information may be found at <a href="https://www.ece.uconn.edu/courses/subj/french.php">www.ece.uconn.edu/courses/subj/french.php</a>. Students enrolled in French 3268W have specific requirements for course completion, such as writing a 5-page paper in French and following UConn's requirements for a writing intensive course.

## 4500\_AP FRENCH (Virtual High School)

Credit(s) 1

This course is designed to develop highly sophisticated communicative skills and to meet the objectives of a rigorous course of French completely over the Internet at the college level. Attention is given to reading, analyzing, and producing in-depth critical thinking on historical, contemporary, and literary issues in both oral and written forms. Students will participate in online class discussions in the target language.

#### 4150 LATIN 1

Credit(s) 1

This course develops an understanding of Latin through the study of grammar, vocabulary, translations, familiarization with Roman civilization and culture, and the practical use of the language. Students will make connections between the ancient world and the modern world. Students are expected to participate in the COLT Annual Poetry Contest and the National Latin Examination.

#### 4250 LATIN 2

Credit(s) 1

This course is designed to enrich the work of Latin 1 through the completion of forms, fundamentals of construction, increased vocabulary, and the readings of mythological tales. In addition students will develop an understanding of Roman culture and history. Students are expected to participate in the COLT Annual Poetry Contest and the National Latin Examination.

#### 4350\_LATIN 3

Credit(s) 1

This course emphasizes advanced work in Latin vocabulary and English derivatives since 60% of English words are derived from Latin. The class will focus on poetry and composition as well as the study of Virgil. While this course prepares students for the SAT verbal section, it also strengthens grammar skills and connections across the curricula. Students are expected to participate in the COLT Annual Poetry Contest and the National Latin Examination.

#### 4450 LATIN 4

Credit(s) 1

This course emphasizes advance work in Latin vocabulary and English derivatives. The class will focus on poetry and composition as well as the study of Virgil, Catullus, Horace, and Pliny. In addition to traditional assessments, students will demonstrate their understanding of how Latin

literature has influenced English literature through various projects. Students are also expected to participate in the COLT Annual Poetry Contest and the National Latin Examination.

#### **4550 AP LATIN**

Credit(s) 1

This course is designed to meet the objectives of a rigorous course of Latin at the college level. In addition to advanced grammar and syntax, students will engage in sophisticated literary criticism of texts via class discussion and essays. Students are expected to participate in the COLT Annual Poetry Contest and the National Latin Examination.

#### 4180 MANDARIN CHINESE 1

Credit(s) 1

This is an introductory course in the Mandarin language and Chinese culture emphasizing the development of basic skills: Pinyin, pronunciation, tones, listening and speaking as well as the reading and writing of Chinese words. In addition to traditional methods of assessments, students will role-play, make small oral presentations and engage in guided conversations. Students also study Chinese mythology and Chinese

calligraphy. Students are encouraged to participate in the COLT Annual Poetry Contest.

#### **4710 MANDARIN CHINESE 2**

Credit(s) 1

This is the continuation of Mandarin 1 and Chinese culture. Emphasis is placed on the development of basic skills: listening, conversation, comprehension, reading and paragraph writing. In addition to traditional methods of assessments, students will role play, make small oral presentations and engage in guided conversations. Students also study Chinese geography. Students are encouraged to participate in the COLT Annual Poetry Contest.

#### **4840 MANDARIN CHINESE 3**

Credit(s) 1

This course develops language acquisition in depth through the four language skills: listening, speaking, reading and writing with an increasing emphasis on reading a wider variety of material. Students will achieve a higher degree of comprehension and will be able to communicate cultural material by making presentations, writing compositions, and conducting discussions. Students research and give presentations on Chinese holidays. Students are encouraged to participate in the COLT Annual Poetry Contest.

#### **4860 MANDARIN CHINESE 4**

Credit(s) 1

In this course students read and write a variety of complex texts such as advertisements, news report and essays, while they continue to build conversational and listening skill. Students also study a selection of Chinese literature. An introduction to Chinese history is embedded in the language lessons. Students are encouraged to participate in the COLT Annual Poetry Contest.

#### 4750\_AP CHINESE LANGUAGE AND CULTURE

Prerequisite: Approval of the instructor

Credit(s) 1

This is an intensive course in Chinese language and culture for students with minimum four years of previous study in Chinese. The course consolidates conversational, listening, reading and writing skills for daily life. Furthermore, students read, write and conduct discussions in depth in Chinese on topics ranging from geography, history, and social customs, to Chinese arts. They also read a selection of original texts from *The Analects*, and Tang and Song poetry. Students examine, describe and analyze a variety of cultural artifacts and try to transform and make connections.

#### 4160 RUSSIAN 1

Credit(s) 1

This introductory course is designed for students with little or no previous study of Russian, focusing on all four language skills: listening, speaking, reading, and writing, while emphasizing oral communication and cultural connections. In addition to traditional methods of assessments, students will role-play, make small oral presentations, and engage in guided conversations.

#### **4240 RUSSIAN 2**

Credit(s) 1

This course continues to develop the skills begun in Russian 1 through listening, speaking, reading, and writing, with a special emphasis on oral communication and cultural connections. In addition to traditional methods of assessment, students will role-play, make small presentations, and engage in guided conversations. Students are expected to participate in the COLT Annual Poetry Contest.

#### 4360\_ RUSSIAN 3

Credit(s) 1

This course develops language acquisition more in depth through the four language skills: listening, speaking, reading and writing with an increasing emphasis on reading a wider variety of materials. Students will achieve a higher degree of comprehension and will be able to communicate cultural materials in broader terms by making presentations, writing compositions, doing readings, dictations and presenting their own skits. Students are expected to participate in the COLT Annual Poetry Contest.

#### 4170\_ RUSSIAN 4

Prerequisite: Approval of the instructor

Credit(s) 1

This course requires students to achieve a high degree of proficiency with the Russian Language. Students will utilize a variety of authentic materials including literature, magazines, newspapers, and audio-visual. Students must also demonstrate knowledge of Russian culture as an integral part of understanding the Russian people and their language. Students will participate in the Russian Poetry Olympiad. A proficiency test will be offered at the end of the course that may lead to college credit.

#### 4830\_AP RUSSIAN

**Prerequisite:** Approval of the instructor

Credit(s) 1

This course is designed to develop highly sophisticated communicative skills and to meet the objectives of a rigorous course of Russian at the college level. Attention is given to reading, analyzing and producing in-depth critical thinking on contemporary and literary issues in both oral and written forms. Students will participate freely and fluently in class discussions in the target language.

#### **4130 SPANISH 1**

Credit(s) 1

This introductory course is designed for students with little or no previous study of Spanish, focusing on all four language skills: listening, speaking, reading, and writing, while emphasizing oral communication and cultural connections. In addition to traditional methods of assessments, students will role-play, make small oral presentations, and engage in guided conversations. Students are encouraged to participate in the COLT Annual Poetry Contest and the National Spanish Examination.

#### **4230 SPANISH 2**

Credit(s) 1

This course continues to develop the skills begun in Spanish 1 through listening, speaking, reading, and writing, with a special emphasis on oral communication and cultural connections. In addition to traditional methods of assessments, students will role-play, make small presentations, and engage in guided conversations. Students are encouraged to participate in the COLT Annual Poetry Contest and the National Spanish Examination.

#### **4330 SPANISH 3**

Credit(s) 1

This course develops language acquisition more in depth through the four language skills: listening, speaking, reading, and writing, with an increasing emphasis on reading a wider variety of materials. Students will achieve a higher degree of comprehension and will be able to communicate cultural materials in broader terms by making presentations, written compositions, readings, dictations, and presenting their own skits. Students are encouraged to participate in the COLT Annual Poetry Contest and the National Spanish Examination.

#### **4430 SPANISH 4**

Credit(s) 1

This course is focused on listening, speaking, reading, and writing at the intermediate/pre-advanced proficiency levels through a variety of authentic resources such as radio and TV announcements, newspapers and magazines, literature from Latin America and Spain, as well as other nonfiction texts. Students will demonstrate their oral proficiency through debates and discussions of historical, social, and cultural aspects of life in the target language. Students are encouraged to participate in the COLT Annual Poetry Contest and the National Spanish Examination.

#### **4680 SPANISH 5 HONORS**

Prerequisite: Spanish 4

Credit(s) 1

This course is designed to provide students with continued instruction in Spanish prior to the AP Spanish Language course. This course will focus on broad themes, including society and its problems, education and finance, art, media, and literature. Students will continue to fine tune their Spanish vocabulary and grammatical structures from previous years of study.

#### **4131 HERITAGE SPANISH 1**

Credit(s) 1

This course is designed for students with no formal education in the Spanish language but who were born in Spanish speaking homes. Attention is given to language misconceptions and anglicized expressions that are common to Spanish speakers born in the United States. Grammar and vocabulary are taught in context through age appropriate readings of short stories, periodicals, thematic essays, and poetry. Upon completion of this course, students are better prepared for advanced level language courses.

#### **4231\_HERITAGE SPANISH 2 HONORS**

Credit(s) 1

This course requires students to achieve more sophisticated and complex structures in spelling, grammar, and literary forms of the Spanish language in an effort to become truly literate or bilingual. Through the study of Latin American authors and their literature, students will develop interpretive skills and will become fluent in written response to literature.

#### 4530\_AP SPANISH LANGUAGE

**Prerequisite:** B or higher in Heritage 2 or successful completion of Spanish 5 honors Credit(s) 1

This course is designed to develop highly sophisticated communicative skills and to meet the objectives of a rigorous course of Spanish at the college level. Attention is given to reading, analyzing, and producing in-depth critical thinking on contemporary and literary issues in both oral and written forms. Students will participate freely and fluently in class discussions in the target language and are encouraged to participate in the COLT Annual Poetry Contest and the National Spanish examination.

#### **4535 UCONN ECE SPANISH**

**Prerequisite:** Must have completed Spanish 1, 2, 3, 4, and be able to understand, speak, read, and write Spanish proficiently.

Credit(s) 1

UConn's Early College Experience (ECE) is an opportunity for students to take UConn's Spanish courses while still in high school. Every UConn ECE Spanish course is equivalent to the same course at the University of Connecticut. Students earn college credit for a fraction of the cost.

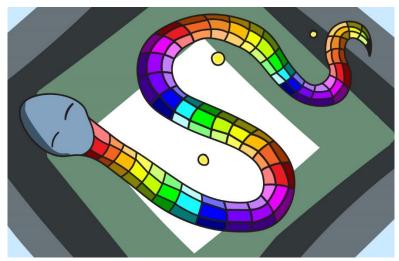
## OTHER ACADEMIC SUPPORT

Stamford Public Schools provide a wide range of services and supports. Differentiated instruction and inclusive best practices are implemented to address individual learning styles and needs.

# **9740\_INDIVIDUAL EDUCATIONAL DEVELOPMENT PROGRAM** Credit(s) 1

This course provides direct assistance to identified students in grades 9-12. The course focuses on continuous skill development for academic excellence, studying, self-advocacy, self-management and independence, compensatory learning, peer and adult relationships, and preparation for post-secondary experiences. While earning credits toward a high school diploma, students apply skills learned to the everyday classroom setting and life situations.

Administrative approval required.



Melissa Parra