



Andover High School
Program of Studies
Updates

2022-2023

CS - Computing Coach

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- Formerly an Independent Study Offering

Computing Coaches provide programming students assistance in debugging programs, as well as analysis programs. The coaches provide feedback to the teacher if students are struggling as well as assisting students who might fall behind. Computing Coaches learn to read someone else's code and develop debugging tools and skills which makes them better able to find their own errors and makes them better programmers. **Prerequisite: Intro to Java**

dLI-Advertising & Social Media Marketing

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This course will explore the world of advertisement and social media marketing. We will begin with an explanation of the nature of advertising, its role in the marketing mix and its application to the needs of business enterprises. We will identify target markets, introduce essential digital marketing strategies, and observe practices that are common in today's marketing profession. We will explore the strategies behind social media marketing in today's economy. Students will participate in learning experiences that engage them in these topics through conversations, collaborative activities, projects and presentations. The course will also examine the planning, implementation and measurement of an integrated marketing campaign. Students who take this course are eligible to become members of the DECA Business and Marketing Organization and compete at the District Competition. ***Prerequisite: Introduction to Business Course; This course is open to grades 10-12, and designed as an advanced course.***

EN-Identity in Literature

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- **Course title change** from **Multiple Identities in Text**

The intersectionality of individuals' multiple identities influence the ways in which we understand and interact with the world. Our race, ethnicity, culture, gender, age, religion, sexual orientation, political beliefs, socio-economic security, and nation of residency all coalesce to form our unique identity. This multi-level course seeks to explore the myriad identities people possess through the critical study of classic and contemporary fiction, non-fiction, drama, poetry, art, music, and film. Students will be asked to examine not only the diverse identities of characters and writers, but also the ways in which students' own identities influence their understanding of others, themselves, and the world around them.

EN-Intro to Podcasting

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The **Intro to Podcasting** elective course is designed to introduce students in **grades 10-12** to the world of podcasting. This course will engage students who are eager to improve their speaking and listening skills and/or establish their interests in creating their own podcasts. However, this course is not just for students who are outgoing and desire to capture their own voice through podcasting. Students will also learn what goes on behind the scenes in podcast creation, including audio and sound production, editing, script writing, branding and marketing, research, and more. Most fans of podcasts only consider the host/s, but in reality, it takes an entire team to execute a quality audio show.

FA- Percussion Ensemble

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This course is designed for percussionists in grades 9-12. This course focuses on music literacy and percussion performance technique. Students in this class will study and perform on all percussion instruments and be expected to read notated music accurately. Students will perform percussion ensemble music and marching percussion (drumline) cadences 3-4 times per school year at band concerts, school, and community events. Prior middle school percussion experience is preferred, but not required. Students are encouraged to enroll in this course year after year to continue to advance their performance skills and musical knowledge.

FA- Beginning Piano & Guitar

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- **Course title change** from **Beginning Instruments**

This course is designed to allow high school students (9-12) with minimal or limited training to begin playing an instrument. This course allows students who wish to learn piano or guitar. Students will learn music theory and performance skills. Open to Grades 9-12.

FA- Chromatics: A Cappella

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- **Course title change** from **Gold N'Blues A Cappella**

Chromatics is Andover High's audition-only A Cappella group. Students develop their skills as musicians and vocal techniques through A Cappella and pop repertoire. A Cappella students rehearse weekly and perform in yearly competitions and festivals. Attendance and participation in all rehearsals and performances will be required to receive a passing grade. **Students should not request this course on their Course Selection Sheet; they will be assigned after group selection. It is strongly encouraged that students be enrolled in Concert or Chamber Choir.**

FA- AP 2-D Art & Design

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In this college-level course, students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year focusing on two-dimensional work. Portfolios include finished works, process documentation, and written information about the work presented. Students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. The course will be graded with assignment rubrics for goals related to individual prompts. As this course will meet simultaneously with Portfolio I students, AP 2-D Art & Design students will have additional requirements related to visual documentation and writing about the work which they create. **(Formerly Portfolio II) Prerequisites: 1.5 credits in Fine Arts Courses and Portfolio I.**

MA - Data Science

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- Offering as ½ credit course

Introduction to Data Science is a new course designed to teach students to reason with, and think critically about data. This course will introduce students to the main ideas in data science through tools such as Google Sheets, Python, Data Commons and Tableau. Students will learn to be data explorers in project-based units, through which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more! At the end of the course students will have a portfolio of their data science work to showcase their newly developed abilities.

Prerequisite: CP Algebra II

PE - Unified Physical Activities

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- Course will replace the Community Service PE Buddy Mentor class

This course provides students an opportunity to work cooperatively and socially to participate in physical fitness, modified games and lifetime sports, leadership and wellness activities. This class emphasizes the cognitive, affective and psychomotor growth of all participants. Lessons enhance working together in small groups to feel confident and positive when working on new goals and activities. Engaging in all physical education activities alongside peers with and without different abilities, helps foster a true inclusive Physical Education class environment along with friendships. **Seniors Only.**

SC - XExplore Mechanical Engineering pg. 69

- **Course title change** from Exploring Civil & Mechanical Engineering & update description

This course is the next step of the Engineering Design scope and sequence. In this course, students take a deeper dive into the wonder and complexities of mechanical engineering. Students will experience a unique studio learning model developed by Nuvu Studio in Cambridge, MA through a rigorous, iterative design process. The dynamic studio framing creates a playground for curious exploration outside of students' knowledge and comfort zone to develop wildly creative solutions.

SS - AP Art History

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The College Board AP Art History course is equivalent to a two-semester college survey course exploring the nature of art, art making, and responses to art. Students explore diverse artistic traditions from prehistory to the present and engage holistic theories of the history of art, artifacts, and architecture from a global perspective. Students experience, research, discuss, read, and write about art, artists, art making, responses to, and interpretations of art through multi-variant contexts. The production of art, and its interpretation within the disciplines of history and the social sciences requires students to investigate the religious, economic, political, gender, racial, and even class-confrontational realities of the material world. The course will offer a wide selection of assignments and projects (including preparation for the AP exam) and will utilize the world-class museums in Boston.