

Course Descriptions-Elective offerings for incoming grade 9 students

BUSINESS & TECHNOLOGY:

623 DIGITAL LITERACY Grades 9-12 - 2.5 credits

This course examines the current programs and applications that are used in the world of business. Students will apply Microsoft Office and Google productivity applications to projects and assignments they will face in everyday life. This class progressively builds on previously established computer applications and concepts. Students will also learn about software and Web 2.0 tools that can be used for their academic coursework and in the workplace. Additionally, students will practice 21st century skills by collaborating with others to problem solve and develop proper communication and presentation techniques. Students will be introduced to the concept of digital citizenship and the importance of maintaining their online “self.” Students will be required to participate in daily class work assignments to demonstrate their understanding and application proficiency. This course is especially geared for freshmen and sophomores eager to learn about applying technology to academic, work, and personal life.

625 INTRODUCTION TO BUSINESS Grades 9-12 - 2.5 credits

This class is designed to introduce students to the world of business. A variety of learning activities and applications will be used to cover topics such as the role of business in our economy, the business cycle, entrepreneurship, business ownership, business management, leadership, marketing and advertising, financial management and accounting, personal finance, information technology, and career planning. Group work, discussions, journaling, projects, and online simulations will be used to authenticate the learning process. Interest in many areas can be explored further in additional business offerings. This course is especially geared toward freshmen and sophomores that have an interest in business.

650 HINGHAM TECH SQUAD Grades 9-12 - 2.5 credits

The Hingham Tech Squad is a student-centered solution for school-wide technology integration. Students involved in this program learn how to use existing educational technologies, as well as how to evaluate and make informed selections among the technologies available to complete a task or project. Students not only learn technology skills but also crucial 21st century skills, such as planning and collaboration. They learn how to help teachers integrate technology into classroom lessons, how to use school technology, and how to provide tech support. The Hingham Tech Squad members work with teachers throughout the school to plan tech-infused lesson or provide tech support. The result is an authentic project-based learning experience for the students and sustainable technology support for the teachers. **Students who successfully complete this course may enroll in course 651 – TECH SQUAD HELPDESK.**

COMPUTER SCIENCE:

451/452 INTRODUCTION TO COMPUTER PROGRAMMING Grades 9-12 – 2.5 credits

Level 2 Prerequisite: A- in L3 Algebra I-Quadratic Emphasis or B- in L2 Honors Algebra I

Level 3 Prerequisite: B- in L3 Algebra I-Quadratic Emphasis or A- in L3 Algebra I-Linear Emphasis

This course is to introduce students to concepts in Object Oriented Programming, namely Java programming. Students will leave this course with a conceptual understanding of the hierarchy of classes, structures and methods implemented in a well-designed program. Students will have the opportunity to design mobile based “apps” and simple structured game design. No prior knowledge of computer science is required. Students who are successful in this course have good math and logical thinking skills.

FINE AND PERFORMING ARTS

FINE ARTS:

910 INTRODUCTION TO DRAWING Grades 9-12 - 2.5 credits

This course introduces students to the fundamentals of the two dimensional visual arts in a studio environment. Basic skills of perspective, basic shapes, and design are explored using a variety of media including pencil, colored pencil, and tempera paint. Basic print making techniques will be explored.

930 CERAMICS & SCULPTURE I Grades 9 - 12 - 2.5 credits

Ceramics & Sculpture I explores three-dimensional form in the three basic hand-building techniques of coil, slab, and sculpture as well as proper firing and glazing techniques.

Emphasis is placed on design, construction, and the craftsmanship of each project while developing appropriate Studio Habits of Mind.

931 CERAMICS & SCULPTURE II Grades 9 - 12 - 2.5 credits

Prerequisite: Ceramics & Sculpture I or Wheel Throwing Building on the skills and techniques covered in Ceramics I, this course will provide students the opportunity to develop a personal artistic voice. More time will be devoted to analyzing and discussing famous artwork as well as critiquing peers' artwork. Students can elect to take this course multiple times for credit with instructor's permission.

932 WHEEL THROWING Grades 9- 12 - 2.5 credits

This course will introduce students to the potter's wheel and how a functioning studio operates. Emphasis is placed on many hours of practice of specific hand positions and tools to help develop muscle memory. We will examine and discuss multiple examples of contemporary potters and artists to help students understand and develop a personal style.

938 MIXED MEDIA Grades 9-12 - 2.5 credits

This course will offer in-depth exploration of techniques and new ways to see, use, and interpret found objects. Students will create multi-directional compositions with a variety of materials, paint, images, found objects, and ink painting. Techniques will include collage, monotype printing, drawing, painting, mixing, assemblage, cutting and pasting, etc. This course is designed to give students a wide variety of art making experiences and allows students to continue to explore various visual art forms and techniques through the elements and principles of art and design. Check out [instagram@hingham_pottery](https://www.instagram.com/hingham_pottery)

DRAMA:

175 ACTING & IMPROVISATION Semester course – 2.5 credits

In this active class, students will play physical and mind-bending games to stretch their creative talents – or maybe find them. Through improvisation and other methods, students will develop quick-thinking, character development, comic timing, and team work – and have a great time doing it. Students will also have the opportunity to learn basic set building/painting while helping create the sets for their own production and those of the drama club. All students are welcome with or without previous experience. This course may be repeated for full credit with the instructor's approval.

MUSIC:

967 CONCERT BAND Grades 9-12 – 5 credits

Students learn basic skills and techniques of reading music, performing alone and with others, and developing their instrumental technique. Students learn the cultural context of concert repertoire and reflect on its relevance to their own lives. There are four major concerts each year, and students may have the opportunity to perform nationally or internationally on tour. This class is designed to prepare students for Wind Ensemble.

973 CONCERT CHORALE Grades 9-12 – 5 credits

Students learn basic skills and techniques of singing, reading music, and performing alone and with others. Students learn the cultural context of concert repertoire and reflect on its relevance to their own lives. There are four required major concerts each year, and students may have the opportunity to perform nationally or internationally on tour. This chorus is designed to prepare students for Mixed Chorus.

987 FRESHMAN ORCHESTRA Grade 9 - 5 credits

This course is available to all string students in grade nine who have previous experience playing their instrument. Students learn basic skills and techniques of reading music, performing alone and with others, and developing their instrumental technique. Students build upon previously learned string playing skills and continue to develop their knowledge of the theoretical and historical content necessary to perform accurately and artistically on their instruments. There are four major performances each year, and students have the opportunity to perform nationally or internationally on tour. This course is designed to prepare students for Orchestra.

991 FUNDAMENTALS OF MUSIC Grades 9-12 - 2.5 credits

This one-semester course is designed for students with an interest in how music works: pitch, rhythm, form, and harmony. Students will learn rudimentary elements of music including scales, keys, rhythms, and meters, and how composers and performers integrate and use these elements to produce music. The pace of study and learning is appropriate for students with limited knowledge and experience with reading music, and may be a good preparation for AP Music Theory.

992 INTRO TO PIANO Grades 9-12 - 2.5 credits

Are you interested in becoming more musically inclined, but don't know where to start? In this hands-on piano class, students will receive one-on-one direction no matter their level or experience, and will have a chance to exhibit their skills in an optional recital at the end of the semester. Access to digital pianos is provided, and students do not need to practice at home.

993 MUSIC APPRECIATION: LEARNING TO LISTEN Grades 9-12 - 2.5 credits

Interested in the history and development of the music industry? This one-semester course provides an in-depth exploration of the cultural and historical context of different genres and styles of music including Classical, Jazz, Popular, and non Western music. Begin your journey of appreciation for the world of music and everything it has to offer. Lots of time in class spent listening to and reflecting on the music, with very little homework.

994 SONGWRITING AND STUDIO Grades 9-12 – 2.5 credits

In this one-semester course, students will learn the process an artist uses to create music. By exploring current trending songs and classic hits, students will develop essential songwriting skills. Students will have access to the tools used by songwriters to record, mix and share digital audio. They will then utilize these skills and resources, working both independently and as collaborators, to write and record their own original songs. Previous songwriting, singing or instrumental experience is not required.

ENGLISH:**183 CREATIVE WRITING** Semester course – 2.5 credits

Students will develop their writing skills in personal essays, short stories, and poetry. Conducted in a workshop setting, the course will incorporate short exercises and activities, including journals, designed to enhance creativity. Students will learn to critique their own writing and that of their peers and to revise drafts of their own work. They will also create a final portfolio demonstrating their growth and performance as writers. This course may be repeated for full credit with the instructor's approval.

184 JOURNALISM Semester course – 2.5 credits

This will be a hands-on course that teaches through practice the theories and techniques of news reporting. Focus will be the editor's and reporter's roles, headline writing, and basic language and research skills for the newspaper format. Activities will include editing and production, design and layout, photography, and publishing. Students will publish work in the Harborlight and/or will have the option to build and develop their own media websites. This course may be repeated for full credit with the instructor's approval.

FAMILY CONSUMER SCIENCE:**821 FOODS AND NUTRITION I** Grade 9-12 - 2.5 credits

This course introduces students to the basic food elements and their relationship to optimal health and fitness. Through cooperative learning and an interdisciplinary approach, students learn basic skills related to food preparation. Students prepare foods selected from the concepts covered: the food groups and nutrition resources, a healthy diet, fast and healthy mini-meals, quick and yeast breads, cooking with eggs, and special occasion foods. Food science and technology, labeling, measuring techniques, time management, consumerism, food safety, and available career opportunities will be stressed. It is a primary aim of this department to provide students with opportunities to process new information, practice appropriate skills, and learn to make healthy dietary choices for lifelong wellness.

830 EXPLORING FASHION I Grades 9-12 - 2.5 credits

This course introduces students to the world of fashion and explores current clothing styles. Students also analyze fashion trends, elements of design, wardrobe planning, and clothing care. Students will receive a hands-on approach to practical sewing basics by constructing a simple garment. Additional projects will require students to bring in appropriate supplies. This class is designed for all students who have an interest in fashion or careers in the fashion world.

831 INTERIOR DECORATING AND DESIGN Grades 9-12 - 2.5 credits

This course introduces students to the elements and principles involved in creating an appealing and functional interior environment (home). The curriculum provides technical knowledge, history, theory, and the opportunity to develop design techniques. Theoretical and practical projects are assigned to assist students in expressing their unique style and ideas through drawing, model making and computer aided design. Student ideas are strengthened through study of color, historic architecture styles, current trends, and creative problem solving projects.

LIBRARY MEDIA:**097 TELEVISION PRODUCTION-CREATIVE** Grades 9-12 - 2.5 credits

Designed for the student who wants to explore fictionalized or non-journalistic pieces, TVP Creative students will: delve into storytelling techniques; plan and write detailed shot lists and storyboards; explore

directing principles to determine optimal shots; explore lighting and angle; and learn how to edit using Final Cut Pro X. After mastering the basics of these skills, students in TVP Creative, along with those in TVP Journalism, will contribute pieces to The Friday Show. Each video piece is juried for appropriateness by faculty. Additional skills learned in TVP Creative involve time management, logistics, work relationships, production savvy, and response to real-world assessment and criticism from students and teachers as audience members.

TECHNOLOGY ENGINEERING :

731 WOODWORKING TECHNOLOGY I Grades 9-12 - 2.5 credits

This course provides the student with an introduction to woodworking using a variety of hands-on activities. The students will develop the necessary skills to use a variety of hand and power tools safely. Then they will advance to a class structure project. Creativity is encouraged through the design and construction of various projects including individual, mass production and problem solving activities.

733 ADVANCED WOODWORKING TECHNOLOGY Grades 9-12 -2.5 credits

In this course, an entire semester is devoted to student- selected projects of major proportions. The students may choose to pursue areas previously experienced such as furniture making, household accessories, sports equipment, etc.; or explore completely new areas such as wood carving, laminating wood and plastics, advanced wood finishing procedures, boat building, pattern making, upholstery, or the study of lumber, its products, and related materials. This course may be repeated for full credit with instructor's approval.

744 ENGINEERING AND ROBOTICS Grades 9-12 - 2.5 credits

In this course students will explore the process of computer based controlled systems from automation to remote controls. Critical thinking skills are developed and reinforced as students are required to fabricate and test solutions to engineering challenges. Students will be challenged to invent, innovate, and problem solve as they build and program autonomous and remote controlled devices. Students often assist in the construction of Hingham's US FIRST Competition Robot for an annual competition. Students will be introduced to the engineering design process to build solutions to real world problems.

751 TECHNICAL DRAWING I Grades 9-12 - 2.5 credits

This course involves mechanical and architectural drawing. Mechanical drawing will explore geometry in drafting, line technique, dimensioning, and pictorial drawings that include orthographic projections. Architectural drawing will include kitchen bath design and residential floor planning. Students will use paper and pencil and computer assisted design (CAD) for their drawings.

752 TECHNICAL DRAWING II Grades 9-12 - 2.5 credits

Prerequisite: successful completion of Technical Drawing I. This course involves mechanical and architectural drawing. Mechanical drawing will include sectional views, hidden views, and shop drawings. Students will explore the design process, and use problem solving and engineering techniques. Architectural drawing will include drawing a full set of house plans (2000 sq. ft.) per scale. Students will design door, window, and electrical schedules. Plot plans with utilities will be explored. Most drawings will be done on CAD.

781 GRAPHIC DESIGN I Grades 9-12 - 2.5 credits

This is a one-semester introduction to graphic design and digital photography. Students will use Adobe Photoshop, Adobe Illustrator, Adobe Lightroom and Canon digital SLR cameras to create work that shows the four elements of design and the 8 visual elements of photography. Attention will be placed on visual hierarchy and overall composition. No previous knowledge of software, devices or computers is required. To see examples of work from this course, please visit: www.eshauzier.com

782 PHOTOGRAPHY I Grades 9-12 - 2.5 credits

This is a one-semester introduction to digital photography. Students will use Canon Digital SLR cameras, learning how to manually expose and shoot photographs. Students will develop a photographic workflow that includes importing photographs to the computers in the Graphic Design/Photo Lab. Students will learn how to edit and manipulate their images using Adobe Photoshop and Adobe Lightroom. Composition, the 8 visual elements of photography and technical aspects of camera functionality will all be covered. Students in this course will compete in the popular thematic photo of the Week competition with all other photography students in every other photography course. These photographs will be critiqued weekly. No previous knowledge of software, devices or computers is required. To see examples of work from this course, please visit: <http://www.eschauzier.com/gallery>

ELECTIVES:

052 INTRODUCTION to CRIMINAL JUSTICE Grades 9-12 – 2.5 credits

This course, taught by a Hingham Police Officer, will cover an overview of the criminal justice system. Starting with the police function, students will learn about criminal laws and procedures and how the police carry out their duties. Next, they will learn about the court system and the trial process. Following that, they will explore the correctional system, discussing the different theories of incarceration. The class will involve interactive activities including guest speakers and tours of the Hingham Police Department and Hingham District Court. This course also will serve as an avenue to explore possible career choices in the criminal justice field.

