



# **HOPATCONG HIGH SCHOOL**

*8<sup>th</sup> Grade*

## ***CURRICULUM HANDBOOK***

**2021-2022**

# ART

## ART 8

Special - 1MP

The course introduces students to the elements and principles of art and encourages students to work with a variety of mediums to investigate the formal elements of design, including line, form, texture, composition, and color.

## GRAPHIC DESIGN/ART

CTE exploration - 1MP

Students will be introduced to the world of commercial graphics. They will explore design in the areas of typography, desktop publishing, and digital illustration.

## PHOTOGRAPHY

Special - 1MP

This course will introduce students to black & white fine art photography and the essential procedures for understanding the photographic process..

## TV/VIDEO PRODUCTION

CTE Exploration - 1MP

Television and Video Production is designed to introduce students to the fundamentals of television and video production. Students will learn about the different creative and technical crew positions and activities necessary for successful TV/Video production.

## GAMING CONCEPTS

2.5 Credits

Special -2 MP (semester)

This course is designed to give students a sense of design and art, plus the technical know-how to build an exciting video game. It is an appropriate starting point for students who seek a professional career as a game developer. It is also well-suited for enthusiastic amateurs and gamers looking to explore this exciting field. No prior game or graphics programming experience is necessary. Students work with a game engine software framework to design and implement several kinds of games. Additional topics include animation techniques, physics simulation, user controls, graphical methods, and intelligent behaviors.

# ENGLISH

## ENGLISH 8

Full year

## ADVANCED ENGLISH 8

Full year

## CREATIVE WRITING

Special - 1MP

This one-marking period course offers interested students the opportunity to develop and enhance their writing talents beyond the scope of the regular English developmental writing curriculum. Students may contribute to the school's literary publication, as well as demonstrate sufficient writing proficiency to enter professional contests geared to their grade level and including varying writing categories. Enrichment via the reading of famous authors will supplement and enhance instruction.

## ENGLISH AS A SECOND LANGUAGE

As Needed

This course is offered each year to qualifying students requiring language training in English based on family background, teacher recommendation, and test results. This is a double period.

## JOURNALISM

Special -2MP (semester)

This course introduces students to the fundamentals of journalism. Students learn how to write news articles, feature articles, reviews, editorials, and op-ed articles. Furthermore, this course provides the foundation and procedures for publication in the school's newspaper. Students enrolled are encouraged to take leadership positions in the school's newspaper, becoming a contributing staff member after completing the course.

## **THEATER ARTS**

**Special - 1MP**

This course is designed for those students who have an interest in theater. Students study acting, direction, lighting, make-up, costuming, set design and set construction. Students will have an opportunity to apply what they learn in the theatrical productions planned for the year. They are encouraged to participate.

## **MATHEMATICS**

### **MATH 8**

**Full Year**

### **ALGEBRA I CP**

**5 credits**

**Full Year**

This course emphasizes the basic principles of Algebra and enables students to develop their ability to solve complex problems in a logical and systematic manner. Students will study expressions, equations, and the relationship between them. Conceptual understanding and procedural skills will be stressed equally. This course is a prerequisite for Geometry and provides a strong algebraic foundation for all subsequent mathematics courses. Teacher recommendation required.

## **PERFORMING ARTS**

### **BAND**

**5 credits**

**Full Year**

Band members will learn to appreciate and perform a wide variety of classical and contemporary music for concert band. Knowledge of rhythms, scales and attention to musical interpretation will be stressed. Additional small group and/or individual instruction will employ intermediate and advanced methods of Belwin, Rhubank or the equivalent. The participation of all band members in rehearsals and all scheduled public performances throughout the school year is required unless previously excused by the director. A weekly instrumental lesson is required of all band members.

## **PHYSICAL EDUCATION**

### **PHYS ED 8 /HEALTH 8**

**Full Year**

The Physical Education Program includes instruction in the following types of activities: body mechanics, individual/dual activities, aerobics, recreation activities, games, physical fitness activities, conditioning activities, lifetime activities, team activities, and health education.

## **SCIENCE**

### **SCIENCE 8**

**Full Year**

### **BIOLOGY CP**

**6 credits**

**Full Year**

Biology CP is a college prep course that includes laboratory activities. Considerable emphasis is placed on laboratory work and the student's ability to analyze experimental data to formulate logical conclusions. Students will be introduced to many scientific concepts and principles that will be used in higher-level science courses. Areas of study include Biochemistry, Cytology, Genetics, Evolution, Taxonomy, and Microbiology. Current scientific events are also explored. Teacher recommendation required.

## **SOCIAL STUDIES**

### **SOCIAL STUDIES 8**

**Full Year**

### **ADVANCED SOCIAL STUDIES 8**

**Full Year**

# **SPECIAL PROGRAMS**

## **BASIC SKILLS**

**1MP**

Students who have been identified as needing improvement in Language Arts Literacy and/or Mathematics may be placed in the Basic Skills Improvement Program. The program is highly individualized and is based on the assessed needs of the students. Students may be identified as having below-average scores on NJSLA. These courses are designed for students to create content specific portfolios as outlined by the NJDOE. Portfolios will be submitted to the NJDOE in part to satisfy a graduation requirement.

## **TECHNOLOGY**

### **INTRO TO WOODSHOP**

**CTE exploration - 1MP**

This course provides students an introduction to shop safety, tools, and construction.

### **STEAM 8**

**Special - 1MP**

This course is designed to give students opportunities for hands-on, project-based learning. Students will briefly review Newton's Laws of Motion before working with Simple Machine. Students may have an opportunity to build Rube Goldberg style machines as well as Medieval Siege Machines. Students may also participate in Engineering Design Challenges throughout the course.

## **WORLD LANGUAGE**

### **SPANISH 8**

**Special - 1MP**

### **SPANISH 1 CP**

**5 credits**

**Full Year**

The fundamentals of Spanish grammar are presented in the first-year course with an increasing emphasis on Spanish conversation and pronunciation. Also introduced is the development of knowledge of Spain and selected countries of Central and South America, past and present, with the characteristics and life of the Spanish-speaking people of these countries.