

# **DARTMOUTH HIGH SCHOOL 2017-2018 PROGRAM OF STUDIES**

SUPPORTING STUDENTS IN THE COURSE  
SELECTION PROCESS

# CORE VALUES AND BELIEFS

**At Dartmouth High School we value and believe in:**

*A safe learning environment*

*Open and respectful sharing of opinions and ideas*

*A learning environment that fosters respect for self and others*

*Thoughtful instruction and rigorous assessment designed around common curricula*

# LEARNING EXPECTATIONS

## All students must:

*Define and monitor a plan to achieve self-defined academic goals*

*Communicate knowledge through a variety of writing styles*

*Problem solve in a variety of settings*

*Demonstrate respect for self and others*

# 28

The number of credits all students need to graduate

# GRADUATION REQUIREMENTS

| <i>CREDITS/UNITS</i>                                | <i>COURSES</i>  |  |
|---|---|--|
| <i>4 Units/Credits</i>                              | <i>English</i>  | 28<br>Credits<br>to<br>graduate and<br>students must pass<br>their competency<br>determination as<br>dictated by the state |
| <i>4 Units/Credits</i>                              | <i>Mathematics *</i>  |  |
| <i>3 Units/Credits</i>                              | <i>Lab-based Science **Bio 1 or Bio 2 count as 1 Science</i>  |  |
| <i>3 Units/Credits</i>                              | <i>History/Social Science</i>   |  |
| <i>2 Units/Credits</i>                              | <i>The Same Foreign Language</i>  |  |
| <i>1 Unit/ Credits</i>                              | <i>The Arts</i>   |  |
| <i>.5 Unit/ Credits</i>                             | <i>Freshman Seminar w/Microsoft Office Applications</i>   |  |
| <i>2 Units/Credits</i>                              | <i>Physical Education</i>   |  |
| <i>.5 Unit/ Credits</i>                             | <i>Health Education</i>   |  |
| <i>5 Additional "Core" Courses</i>                  | <i>Business</i><br><i>Computer Science</i><br><i>Career and Technology Education</i><br><i>And/or Technology</i><br><i>Or any other above subject</i> |  |
| <i>Additional Learning Opportunities Including:</i> | <i>AP Classes</i><br><i>Dual Enrollment</i><br><i>Service or work-based learning</i>  |  |

*\* Algebra 1 Part 1 and Algebra 1 Part 2 together count as 1 Math unit and 2 credits toward graduation*

*\*\* Only 1 credit from a Technology Education course can be applied toward the science graduation requirement.*

2017-2018

PROGRAM OF

STUDIES

# CLASS LEVELS

## **College and Career Ready**

Designed to meet the post-secondary needs of all students

## **Honors**

Independent work, longer and more complex assignments outside of class

## **Advanced Placement (10-12 only)**

College-level courses in a high school setting

**Academic  
Success**

**Work & Other  
Commitments**

**Social Support,  
Family &  
Community**

**Physical &  
Mental Health**

**College**



# ENGLISH

| <b>GRADE</b> |  | <b>COLLEGE &amp; CAREER PATHWAYS</b>                                       |  |
|--------------|--|--|--|
| 9            | <i>Sem. 1 or 2</i>                               | <i>English 9 or English 9 Honors</i>                                       | <b><i>ELECTIVES</i></b><br><i>Theater Arts 1 &amp; 2</i><br><i>Journalism 1 &amp; 2</i><br><i>Public Speaking</i><br><i>ELA College ACES</i><br><i>*Film Critique</i><br><i>*Creative Writing</i><br><br><i>*run alternating years</i> |
| 10           | <i>Sem. 1 or 2</i>                               | <i>English 10 or English 10 Honors</i>                                     |  |
| 11           | <i>Sem. 1 or 2</i>                               | <i>English 11 or English 11 Honors</i>                                     |  |
|              | <i>3 consecutive quarters<br/>(1 ½ semester)</i> | <i>AP Language and Composition<br/>(offered for junior year English)</i>   |  |
| 12           | <i>Sem. 1 or 2</i>                               | <i>English 12 or English 12 Honors</i>                                     |  |
|              | <i>3 consecutive quarters<br/>(1 ½ semester)</i> | <i>AP Literature and Composition<br/>(offered for senior year English)</i> |  |

# MATHEMATICS

| <i>YEAR</i>      | <i>GRADUATION REQUIREMENT</i>  | <i>ADDITIONAL MATH SELECTIONS</i>                              |
|------------------|--|--|
| <i>FRESHMAN</i>  | <i>Algebra 1 Part 1 and Part 2 (CP)<br/>Algebra 1 (H by Administrative Placement)<br/>Geometry (H by Administrative Placement)</i>                 | <i>Geometry (CP or H)<br/>Algebra 2 (CP or H)</i>              |
| <i>SOPHOMORE</i> | <i>Geometry (CP or H)<br/>Algebra 2 (CP or H)</i>  | <i>Pre-Calculus with Trigonometry (CP or H)<br/>Statistics</i> |
| <i>JUNIOR</i>    | <i>Intermediate Algebra<br/>Algebra 2 (CP or H)<br/>Pre-Calculus with Trigonometry (CP or H)<br/>Statistics<br/>Calculus (CP or H)</i>             | <i>AP Statistics<br/>AP Calculus AB</i>                        |
| <i>SENIOR</i>    | <i>Algebra 2 (CP or H)<br/>Pre-Calculus with Trigonometry (CP or H)<br/>Statistics<br/>Calculus (CP or H)<br/>AP Statistics<br/>AP Calculus AB</i> |  |

# SCIENCE AND ENGINEERING

## *SCIENCE COURSE SEQUENCE*

|                                    | <i>SEQUENCE A</i>  | <i>SEQUENCE B</i>                                 |
|------------------------------------|--|---|
| <b>GRADE</b><br><b>9</b>           | <i>Honors Biology</i><br><i>Take Biology MCAS</i>  | <i>Biology Part 1</i>                             |
| <b>GRADE</b><br><b>10</b>          | <i>College Prep Chemistry or Honors Chemistry</i>  | <i>Biology Part 2</i><br><i>Take Biology MCAS</i> |
| <b>GRADE</b><br><b>11 &amp; 12</b> | <i>Chemistry, Honors Chemistry, Physics, Honors Physics, Anatomy &amp; Physiology, Honors Anatomy and Physiology</i><br><i>Biotechnology, Marine Science, Horticulture, A.P. Biology, A.P. Chemistry, A.P. Environmental Science, Drafting</i><br><i>Technology CAD, Architectural Drafting CAD 1, Architectural Drafting CAD2, Engineering Drafting CAD, Robotics</i><br><i>Engineering 1, Robotics Engineering 2, Engineering 1, ,Engineering 2, Engineering 3</i> |   |

# SCIENCE AND ENGINEERING

## ***ENGINEERING EDUCATION COURSE SEQUENCE***

*(Students may begin Engineering Education courses in any grade and take courses from one or more of the areas listed below.)*

| <b><i>DRAFTING</i></b>  | <b><i>ENGINEERING PATHWAY</i></b>   |
|---|---|
| <i>Drafting Technology CAD or Architectural Drafting CAD</i><br><i>Engineering Drafting CAD</i><br><i>Advanced Courses in Engineering or Architectural Drafting</i> | <i>Engineering 1 and/or Robotics Engineering</i><br><i>Engineering 2</i><br><i>Engineering 3</i><br><i>Robotics Engineering 2</i> |

# SOCIAL STUDIES

| <b>YEAR</b>       | <b>GRADUATION REQUIREMENTS</b>   | <b>ELECTIVE OFFERINGS</b>   |
|-------------------|--|---|
| <b>FRESHMEN</b>   | <b>SELECT ONE OF THE FOLLOWING:</b><br><i>U.S. History 1</i><br><i>U.S. History 1 Honors</i> | <b>CONSIDER THE FOLLOWING ELECTIVES:</b><br><i>Youth and the Law</i>  |
| <b>SOPHOMORES</b> | <b>SELECT ONE OF THE FOLLOWING:</b><br><i>U.S. History 2</i><br><i>U.S. History 2 Honors</i> | <b>CONSIDER THE FOLLOWING ELECTIVES:</b><br><i>Current Events</i><br><i>Youth and the Law</i><br><i>AP US History</i><br><i>AP US Government and Politics</i><br><i>AP Human Geography</i><br><i>AP World History</i> |

# SOCIAL STUDIES

|                       |   |  |
|-----------------------|---|--|
| <b><i>JUNIORS</i></b> | <b><i>SELECT ONE OF THE FOLLOWING:</i></b><br><i>World History</i><br><i>World History Honors</i><br><i>AP World History</i><br><i>AP Human Geography</i> | <b><i>CONSIDER THE FOLLOWING ELECTIVES:</i></b><br><i>US Government and Politics</i><br><i>Current Events</i><br><i>Youth and the Law</i><br><i>AP Psychology</i><br><i>AP US History</i><br><i>AP US Government and Politics</i><br><i>AP Human Geography</i><br><i>AP World History</i>                      |
| <b><i>SENIORS</i></b> | <i>N/A</i>  | <b><i>CONSIDER THE FOLLOWING ELECTIVES:</i></b><br><i>Psychology</i><br><i>US Government and Politics</i><br><i>Current Events</i><br><i>Youth and the Law</i><br><i>AP Psychology</i><br><i>AP US History</i><br><i>AP US Government and Politics</i><br><i>AP Human Geography</i><br><i>AP World History</i> |

# WORLD LANGUAGE

## **Mandarin Chinese**

Levels 1, 2, 2H, 3H

## **Portuguese**

Levels 1, 2, 2H, 3, 3H, 4, 4H, 5H

## **Spanish**

Levels 1, 2, 2H, 3, 3H, 4, 4H,

Spanish for Health Careers

# BUSINESS AND COMPUTER SCIENCE

## COMPUTER SCIENCE COURSES

Mobile App Development

Programming and Game Development

Web Design 1

Web Design 2

Advanced Placement Computer Science Principles



# BUSINESS AND COMPUTER SCIENCE

## BUSINESS AND MARKETING COURSES (DECA)

Accounting 1, 2, 3, 4

Microsoft Office Specialist in Word/Powerpoint and Excel

Business for the 21st Century

Marketing - Honors option

Economics

# UNIFIED ARTS

## **EARLY CHILDHOOD EDUCATION SEQUENCE**

Introduction to Early Childhood Education, Grades 10-12

Early Childhood Teacher Practicum

Early Childhood Certification Practicum

# VISUAL ARTS: ART 1 FOUNDATION SEQUENCE

## **ART 1 FOUNDATION**

Art 2 Foundation

Portfolio Prep - Honors option

Darkroom Photography 1 and 2

Jewelry & Metalsmithing 1 and 2

Advanced Placement Studio Art - 2D, 3D, Drawing, Digital Photo

# VISUAL ARTS: NON-ART 1 SEQUENCE

Fashion Design 1 and 2

Digital Photography

Ceramics 1 and 2

PhotoShop Basics

Advanced Placement Studio Art - 2D, 3D, Photo

# MEDIA

## PATHWAY 1:

Intro to Video Production and/or **Media Studies**

Video Production Portfolio

## PATHWAY 2:

Intro to Video Production and/or Media Studies

Studio Production1 (fall semester)

# MUSIC

Band 1, 2, 3, 4

String Orchestra 1, 2, 3, 4

Mixed Chorus 1, 2, 3, 4

Music Theory

# HEALTH AND PHYSICAL EDUCATION

Physical Education - team activities, fitness

Walking for Lifelong Wellness (10-12)

Health Decisions

# SCHOOL TO CAREER

Internship (Seniors only)

Dual Enrollment - BCC and/or UMD

Work Experience



# QUESTIONS AND ANSWERS