

# The Harker School - Course List 2026-2027

## ENGLISH

English 1: The Study of Literary Genres (Y)  
Honors English 1 (Y)  
English 2: A Survey of British Literature (Y)  
Honors English 2 (Y)  
English 3: A Survey of American Literature (Y)  
Honors English 3 (Y)  
AP English Literature (Y, *open to seniors only*)

***Planned English 4 electives for '26-'27*** (all semester courses,  
*open to Grade 12, open to Grade 11 with permission*)

The Inner Self: Literature's Psychological Depths  
Literature into Film  
Graphic Narrative  
Short Fiction  
Speculative Fiction  
Russian Lit  
Mythology  
Shakespeare  
Art of Poetry and Fiction

## STUDY OF THE ARTS CLASSES

*these classes fulfill the arts graduation requirement*  
Study of Music (Y)  
Study of Technical Theater (Y)  
Study of Theater Arts (Y)  
Study of Visual Arts (Y)  
Study of Dance (Y)

## COMPUTER SCIENCE

Digital World (S)  
Programming (S) or Advanced Programming (S)  
Robotics Principles: Hardware (S)  
AP Computer Science A (Y)  
Honors Data Structures (S)  
AP Computer Science A with Data Structures (Y)  
Honors Advanced Topics in Comp. Science (S)  
• *Robot Kinematics Software (offered every year)*  
• *Computer Architecture (26-27, 28-29)*  
• *Compilers & Interpreters (27-28, 29-30)*  
• *Neural Networks (27-28, 29-30)*  
• *Program Languages (28-29)*  
• *Expert Systems (26-27)*

## MATHEMATICS

Algebra 1 (Y)  
Geometry Foundations / Geometry / H. Geometry (Y)  
Algebra 2 Foundations/ Alg 2/Trig / H. Alg 2/Trig (Y)  
Precalculus Foundations / Precalculus / H Precalc (Y)  
Calculus / AP Calculus AB / AP Calculus BC (Y)  
Honors Calculus C with Multivariable Calculus (Y)  
Statistics (Y) / AP Statistics (Y)  
Honors Multivariate Calculus (S)  
Honors Differential Equations (S)  
Honors Discrete Mathematics (S)  
Honors Linear Algebra (S)  
Honors Advanced Topics in Mathematics (S)  
• *Information Theory 1 & 2 (26-27)*  
• *Dif Eq 2, Stochastic Processes (27-28)*

Engineering (S) – *open to Grade 12 only*

## SCIENCE

Physics / Honors Physics (Y)  
AP Physics 2 (Y)  
AP Physics C (Y)  
  
Chemistry / Honors Chemistry (Y, *Grade 10*)  
AP Chemistry in 10<sup>th</sup> grade (Y, *requires 4-week summer course before Grade 10*)  
AP Chemistry in Grade 11/12 (Y)  
Study of Organic Chemistry (S, 26-27)  
Honors Nanoscience (S, 27-28)  
Honors Analytical Chemistry (S, 26-27)

Biology / Honors Biology (Y, *taken Grade 11*)  
AP Biology in 11<sup>th</sup> grade (Y, *requires 4-week summer course before Grade 12*)

Electronics (S)  
Astronomy (S)  
Seminar in Modern Physics (S)  
Research Methods (S)     H. Adv. Research (S)  
Forensic Science (S)  
Biomedical Ethics (S)  
Biotechnology (S)  
H. Bioinformatics (S)  
H. Cancer Biology

*Open to Grade 12 only*

AP Biology (Y, *no summer course required*)  
Honors Human Anatomy and Physiology (Y)  
AP Environmental Science (Y)

## HISTORY AND SOCIAL SCIENCE

*Grade 9 requirement*  
World History 1 / Honors World History 1 (Y)

*Grade 10 requirement*  
World History 2 / Honors World History 2 (Y)  
AP World History: Modern (Y)  
AP European History (Y)

*Grade 11 requirement*  
United States History / Honors US History (Y) /  
AP United States History (Y)

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## **History & SS: Grade 10-12 electives**

Civics & Regional Politics(S)  
Psychology (S)  
Social Psychology (S)  
World Religions and Philosophy (S, 27-28)  
Latin American History (S, 27-28)  
Intro to Women & Gender Studies (S, 27-28)  
AP Art History (Y)  
AP African American Studies (Y, 26-27)

### *Open to Grade 12 only*

AP Psychology (Y)  
AP United States Government and Politics (Y)  
Honors Modern International Affairs (S)

## **BUSINESS AND ENTREPRENEURSHIP**

Economics (S) Behavioral Economics (S)  
Hnrs Entrepreneurship: Startup Incubator I & II (Y)  
H. Corporate Finance (S)  
H. Venture Capital (S)  
AP Economics – Micro and Macro (Y)  
Hon Adv Topics in Economics: Game Theory (S)  
Hon Adv Topics in Economics: Econometrics (Y)

## **MODERN & CLASSICAL LANGUAGES**

### ***Latin***

Latin 1 (Y)  
Latin 2 (Y)  
Latin 3 / Honors Latin 3 (Y)  
Latin 4 (Y)  
AP Latin (Y)  
Hon Advanced Latin Literature (S)  
- *Lyric Poetry* - *Prose*

### ***Spanish***

Spanish 1 (Y)  
Spanish 2 / Honors Spanish 2 (Y)  
Spanish 3 / Honors Spanish 3 (Y)  
Spanish 4 / Honors Spanish 4 (Y)  
AP Spanish Language and Culture (Y)  
AP Spanish Literature (Y)  
Honors Advanced Spanish (S)  
- *The Latin American Short Story*  
- *Lit and Film of the Spanish-Speaking World*

### ***French***

French 1 (Y)  
French 2 (Y)  
French 3 / Honors French 3 (Y)  
French 4 / Honors French 4 (Y)  
AP French Language and Culture (Y)  
Honors Advanced French (S)  
- *French Literature & Film* - *French Prose*

### ***Japanese***

Japanese 1 (Y)  
Japanese 2 (Y)  
Japanese 3 / Honors Japanese 3 (Y)  
Japanese 4 / Honors Japanese 4 (Y)  
Japanese 5 (Y)  
AP Japanese Language & Culture (Y)  
H. Contemporary Japan (Y)

### ***Mandarin***

Mandarin 1 (Y)  
Mandarin 2 (Y)  
Mandarin 3 / Honors Mandarin 3 (Y)  
Mandarin 4 / Honors Mandarin 4 (Y)  
AP Chinese Language and Culture (Y)  
Honors Advanced Chinese (S)  
- *Lit & Culture.* - *Contemp China*

## **VISUAL ARTS ELECTIVES**

### ***Foundations***

Ceramics (S)	Drawing (S)
Graphic Design (S)	Painting (S)
Photography (S)	Spatial (S)

### ***Advanced Portfolio***

Ceramics (S)	Drawing (S)
Graphic Design (S)	Painting (S)
Photography (S)	Spatial (S)

AP Drawing, 2-D, or 3-D (Y *each*)  
Filmmaking: Special Topics in Media Arts (S)  
Glass: Special Topics in Spatial Art (S)  
Printmaking: Special Topics in 2D Art (S)  
Senior Capstone (S)

## **PERFORMING ARTS ELECTIVES**

Advanced Acting (S)  
Advanced Scene Study (S)  
Student-Directed Showcase (S)  
Shakespeare in Performance (S, 27-28)  
Vocal Interpretation (S, 27-28)  
Acting for the Camera (S, 26-27)  
Conducting Basics (S, 26-27)  
Arranging & Composing (S, 26-27)  
Basic Voice/Accompanying (S, 27-28)  
Intermediate Musicianship (S, 27-28)  
Performance Practice for Instrumentalists (S)  
AP Music Theory (Y)  
Dance Composition (S) Choreography (S)  
Technical Theater 2 (S) Technical Theater 3 (S)

## **EXTRA PERIOD OPTIONS**

### **YEAR-LONG COURSES FOR ½ CREDIT**

Intro to Speech & Debate / Intermediate Spch & Deb  
Intro to Journalism  
Journalism: News/Adv. Journalism: News  
Journalism: Yearbook/ Adv. Journalism: Yearbook  
Principles of Business and Entrepreneurship  
• Festival Chorus. • Capriccio • Downbeat  
Harker Dance Company / Kinetic Krew  
Lab Band / Jazz Band  
Orchestra

### **COURSES NOT FOR CREDIT**

Competitive Speech and Debate  
Business Leadership PE: Personal Fitness (PE credit)

