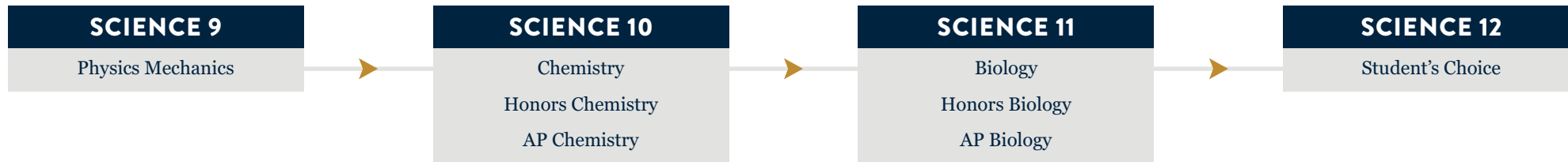


## SCIENCE CURRICULUM PATHWAYS



### AP OPTIONS

- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Psychology
- AP Physics C

### YEAR-LONG OPTIONS (NON-AP)

- Psychology
- Honors Human Anatomy and Physiology
- Topics in College Chemistry
- Topics in College Physics

### ELECTIVES

(scheduled to change, all are one-term unless otherwise noted)

Robotics (F/W terms)	Forensics
Topics in Psychology	Digital Fabrication
Climate Science	Marine Science
Food Science	Astrophysics

### SCIENCE AND TECHNOLOGY SIGNATURE EXPERIENCE (STEM-RESEARCH)

STEM-Research is designed to help students develop their passion for research and to encourage them to consider a career in science-related fields. The program helps students conduct genuine STEM-focused research and develop the personal and intellectual curiosity and courage that comes from working in a research/laboratory setting. Interested students will apply to the program winter of their sophomore year.

### FIRST ROBOTICS COMPETITION

Students who apply and are accepted onto Peddie's Robotics Team will have the option of being part of the Engineering or Programming Subgroups.

If selected for Engineering, students are required to take the year-long Engineering Design (ED) 1 course their first year on the team. Subsequent years, students are strongly encouraged to enroll in ED 2 and then ED 3.

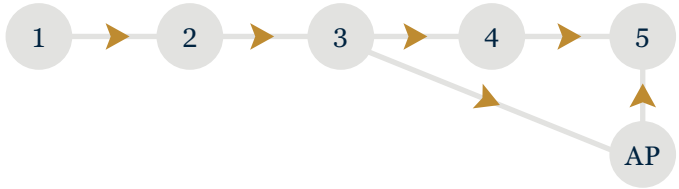
If selected for Programming, students are encouraged to be enrolled in Programming 1 (Math Pathway) or above while on the team.

### NOTES

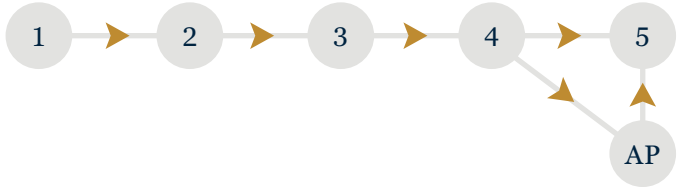
- Students will frequently take two or more year-long science courses simultaneously junior and senior year.
- Psychology courses do not count toward the lab-based course graduation requirement.
- Students must meet the prerequisites for advanced courses
- Many of the one-term electives may be taken starting sophomore year

## LANGUAGE CURRICULUM PATHWAYS

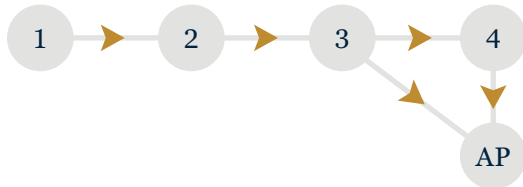
### LATIN



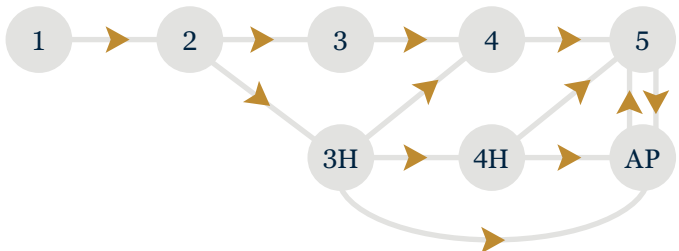
### MANDARIN



### FRENCH



### SPANISH



### LANGUAGE SIGNATURE PROGRAM

The goal of the Language Signature Program is to enable our best and most motivated students to enrich their language experience through a sequence of extracurricular activities culminating in a public presentation or exhibition in the senior year. Signature program participants will be able to explore language and culture beyond the classroom through field trips, projects, research, enrichment courses and travel abroad. They will also deepen and broaden their language exposure at Peddie with independent work in their chosen field of French, Latin or Spanish language.

### ASIAN STUDIES SIGNATURE EXPERIENCE

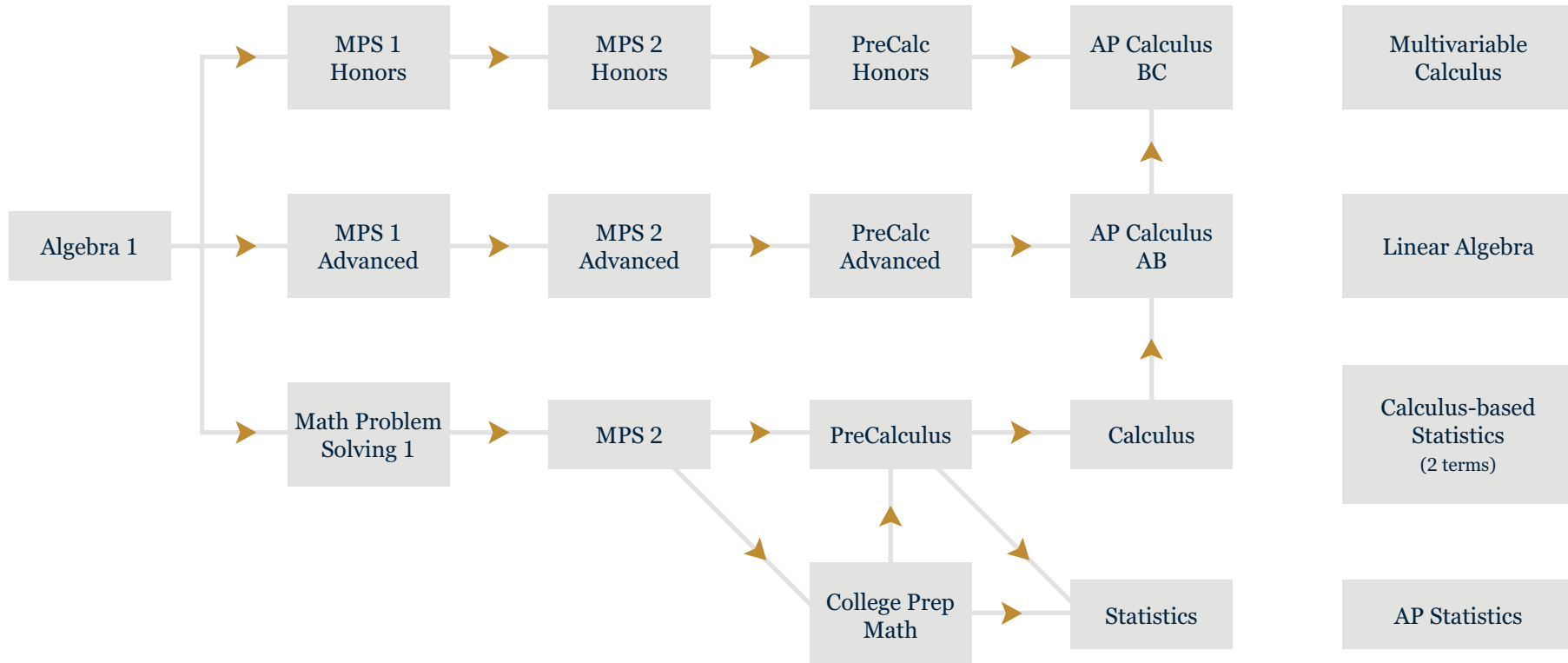
The Asian Studies Signature Experience allows selected students to pursue an interest in Asia in- and out-of-class experiences, culminating in an independent research project. Advanced offerings in Mandarin, electives focusing on Asian history, culture, religion and politics and an established sister-school relationship with EFZ in Shanghai allow students to develop an individualized, comprehensive program specifically tailored to their interests.

### NOTES

Each language class is full-year (three trimesters). Classes marked (H) indicate an honors course, open to students with recommendation of the department. AP courses also require departmental recommendation. In some cases, a placement test will also be required.

- Students wishing to begin their language studies above the first level will be required to take a placement test upon their enrollment.
- Peddie is a member of the School Year Abroad (SYA) program. In recent years students have spent a year studying in France, Spain and China. Other students have chosen to spend time in summer language immersion programs in these countries.
- In recent years, the Foreign Language Department has sponsored trips abroad including China, Spain and France.

## MATH CURRICULUM PATHWAYS



### SEQUENCE

Students are placed into courses where they will be appropriately challenged and, based on our expertise, will have the best possible mathematics experience. In some cases, with the permission of the department chair, the pathway may differ from above to best meet the needs of a student. This may require additional summer study.

### ECONOMICS

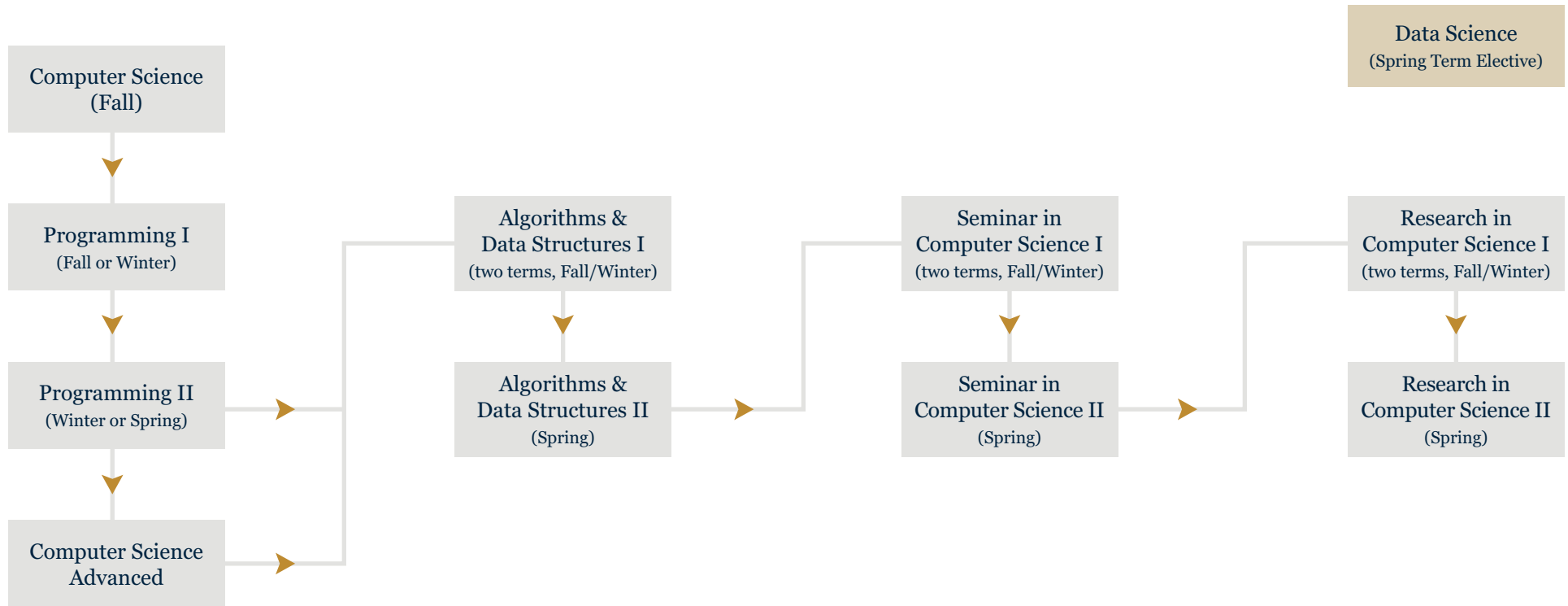
Each of the following courses are one-term electives and may be taken independently of one another.

- Microeconomics (Fall)
- Macroeconomics (Winter)
- Finance (Spring)

### NOTES

- All courses are full year except for electives and Calculus-based Statistics (Fall/Winter).
- Roughly, the higher a course appears on this page, the more challenging it is. All courses above the bottom row *and* all AP courses require departmental permission.
- See the Course of Studies for detailed prerequisites and co-requisites.
- Graduation requirement is one full course beyond MPS2.

## COMPUTER SCIENCE CURRICULUM PATHWAYS



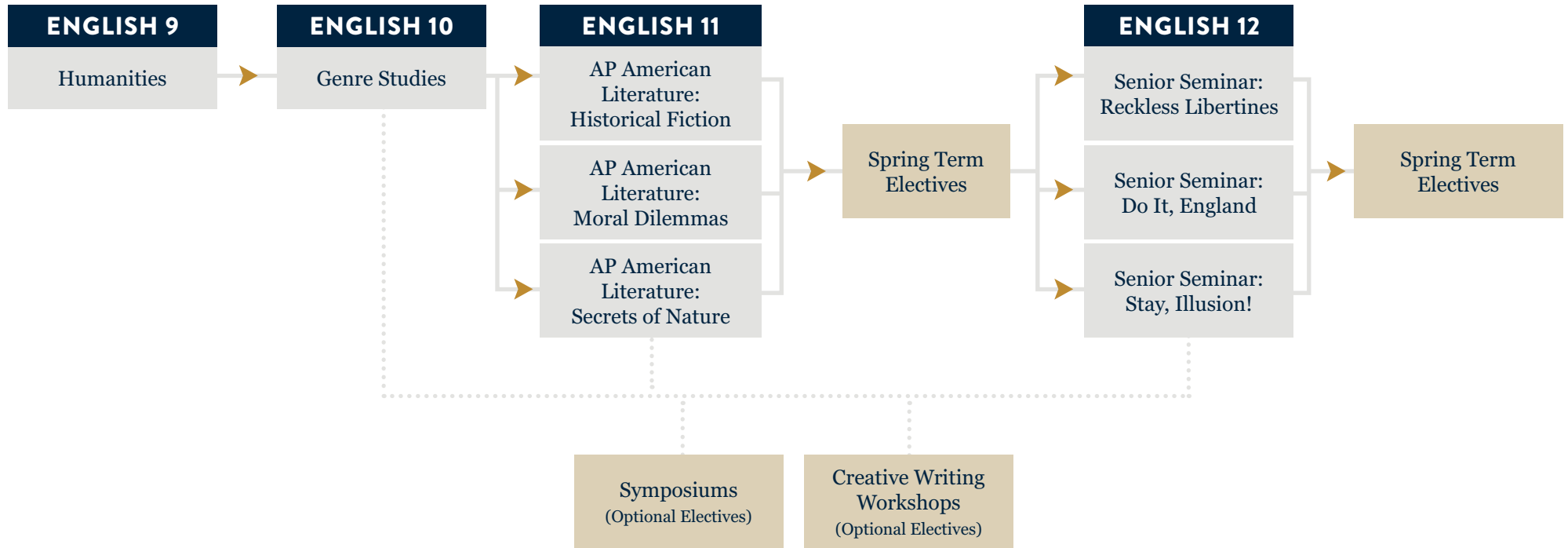
### SEQUENCE

Students are placed into courses where they will be appropriately challenged and, based on our expertise, will have the best possible computer science experience. In some cases, with the permission of the department chair, the pathway may differ from above to best meet the needs of a student.

### NOTES

- Computer Science electives may be taken at any time.
- Data Science and/or other electives are available each spring depending upon student interest.

## ENGLISH CURRICULUM PATHWAYS



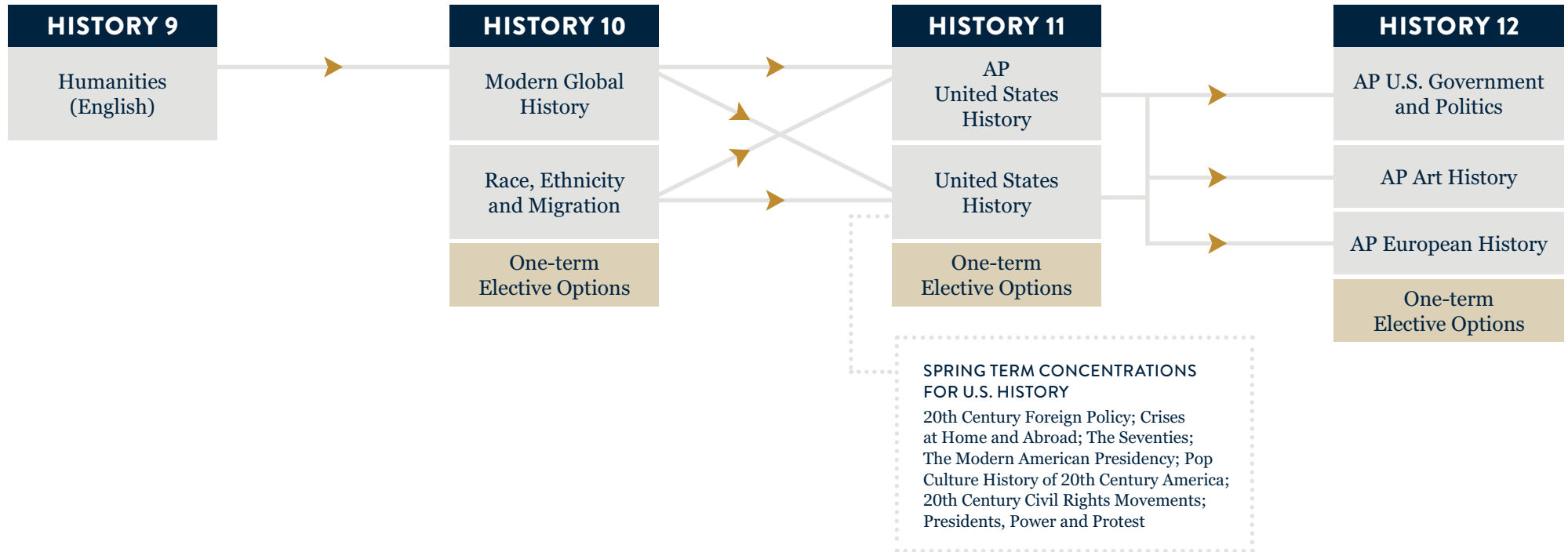
### ELECTIVES

- Students in grades 11 and 12 choose from a wide range of elective options, which include courses such as: *Tolstoy's Masterpiece: Anna Karenina*; *This is America: Satire and Dystopia in American Fiction*; *Black to the Future: Black Speculative Fiction*; *Imagine: The Magical Worlds of Italo Calvino*; *Literature of Time Travel*; *Nonfiction Writing*; and *Good Movie, Great Book*.
- Creative Writing: Students in grades 10 through 12 can enroll in a Creative Writing course in any term.
- Symposiums are one-term electives for students seeking additional English courses; students in grades 10, 11, and 12 can enroll in Symposiums any term. Titles include: *What is the Good Life?*; *Thinking about Thinking*; and *Forming a Self*.

### NOTES

- 9th and 10th grade courses are full-year (three trimesters).
- 11th and 12th grade core courses are two trimesters.
- In each grade level, the English Department requires a significant, culminating writing assignment.
- All 11th grade students are required to take the AP English Literature course, but have the option of sitting for the AP English Language exam.
- The English Department offers a Signature Program in Creative Writing, details of which are available through the department.

## HISTORY CURRICULUM PATHWAYS



### ONE-TERM ELECTIVES

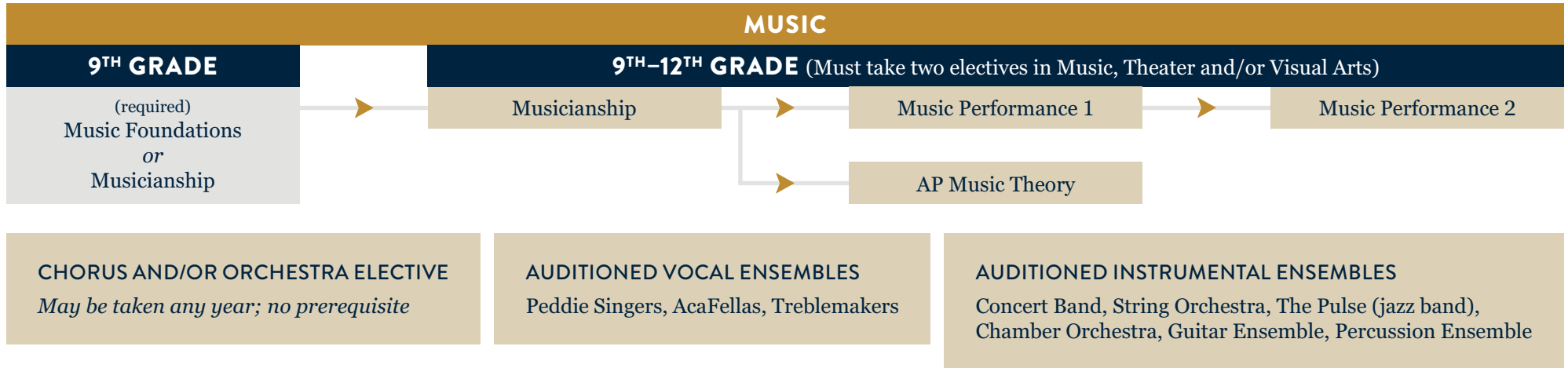
American Government: From Politics to Policy	History and Politics of Sport
American Legal System	Modern India
The American West: Tradition and Transformation	Modern Middle East
Contemporary East Asia	Modern Russia
Covert Operations and Espionage: The CIA in Latin America	Parties, Politics and Elections
Empire and Commerce in the Golden Age of Piracy	Slave Trade and the Atlantic World
	South Africa's Search for Truth and Reconciliation
	World War I
	World War II

### NOTES

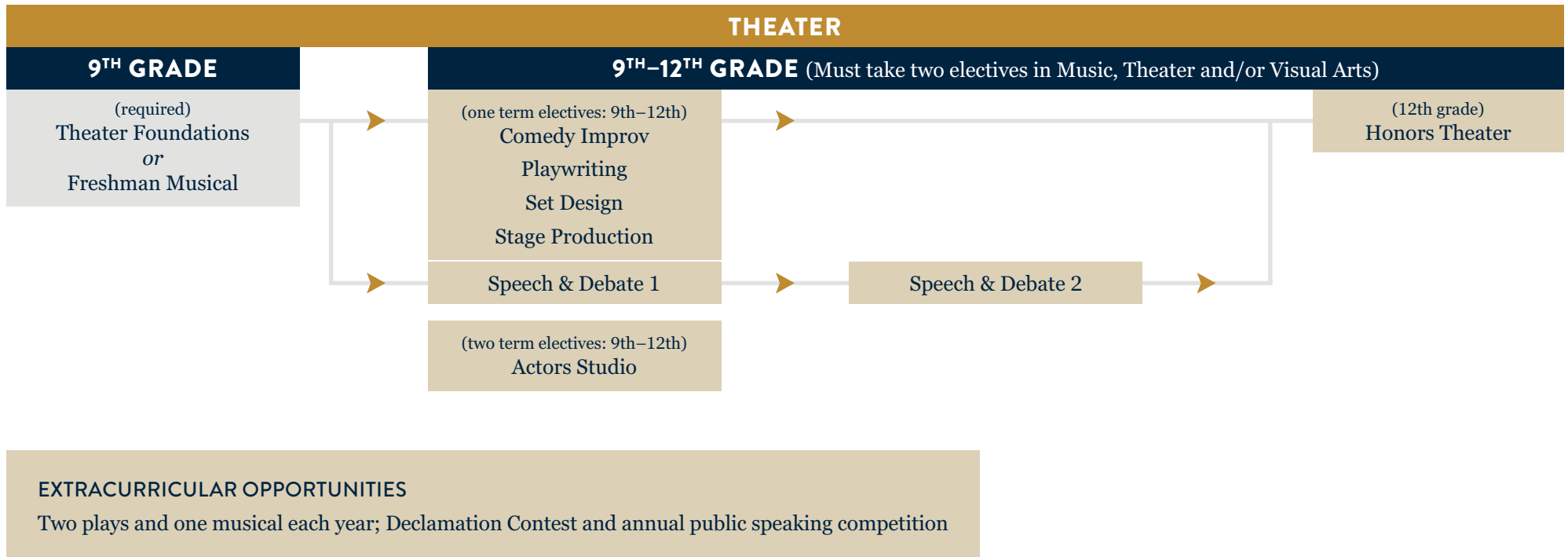
- New 10th graders who have already taken Modern Global History are enrolled in the Race, Ethnicity and Migration class, a skills-based course designed to integrate new students into the history classroom.
- 11th graders enrolled in U.S. History choose a 20th century thematic focus for the spring term.
- Students who qualify may take AP U.S. History as juniors and other AP courses as seniors.
- One-term electives and spring term concentrations vary annually.
- The Department offers a Signature Program in Asian Studies.

## ARTS CURRICULUM PATHWAYS 1 OF 2

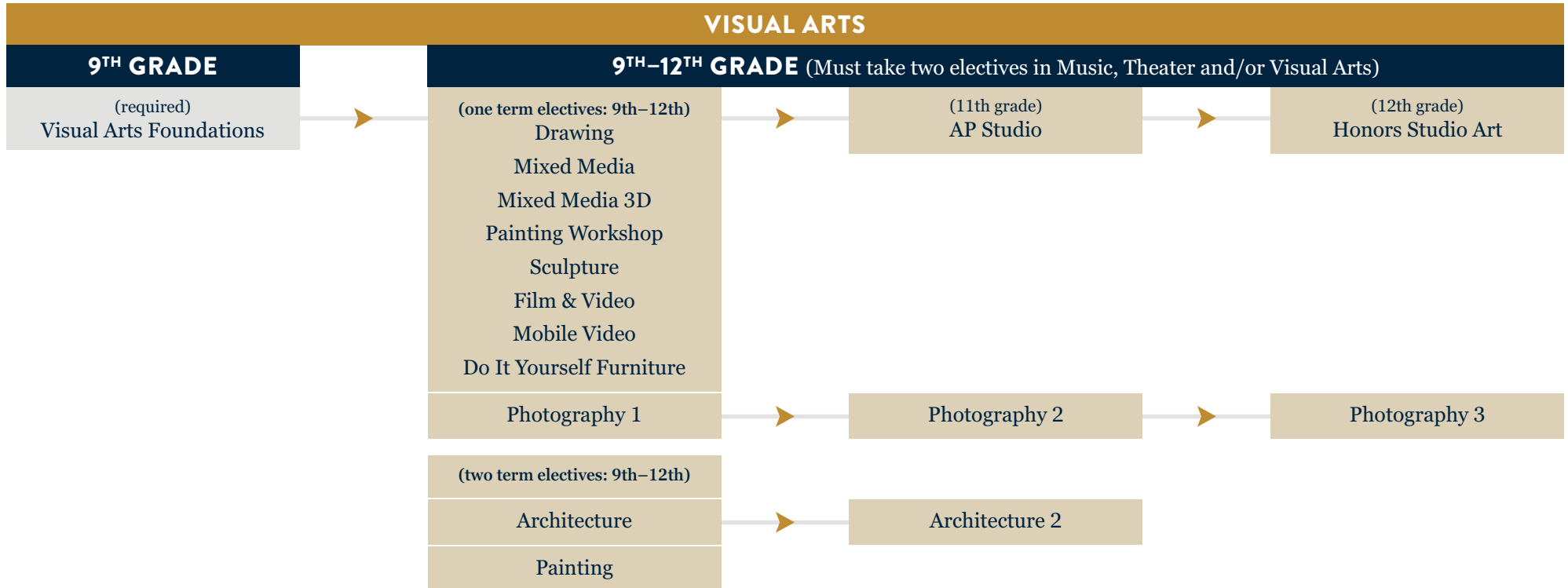
### MUSIC



### THEATER



## ARTS CURRICULUM PATHWAYS 2 OF 2



### ARTS SIGNATURE EXPERIENCE

The Arts Department encourages selected students to develop their passions for music, drama or visual arts through a sequence of elective classes and extracurricular activities culminating in a public performance or exhibition in the senior year. Inspired by field trips to museums, concert halls, and theaters, as well as by visiting professionals, these young artists broaden their academic studies at Peddie with original, independent work in their chosen field of the arts.