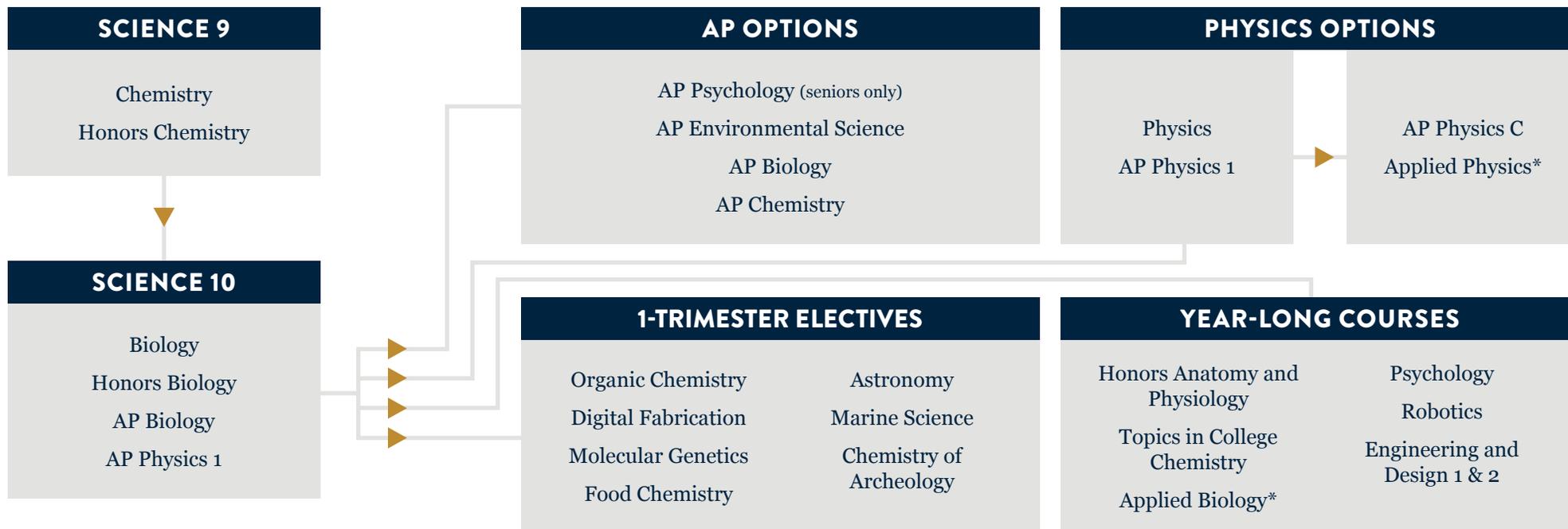


# PEDDIE

## SCIENCE CURRICULUM PATHWAYS



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

STEM-EXP 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.
- Become “experts” in a specific area and to enjoy the confidence that comes with such knowledge.

Students may do research in any area of science, including but not limited to medicine, environmental studies, psychology, epidemiology, biology, mathematics, chemistry, computer science, engineering and physics. Students take year-long EXP courses.

Interested students apply to the program during sophomore year; research takes place during the summer between junior and senior years.

### GRADE 11 AND 12 ELECTIVES

- Once students have completed the chemistry and biology sequence, they have many options available to them.
- Most students take a physics course in their 11th or 12th grade year.
- Students will frequently take two science courses simultaneously.

### NOTES

- 9th and 10th grade courses are full-year (three trimesters).
- Placement for students entering after 9th grade is according to previous course work, performance, recommendations, and testing.
- In each of the grade levels, laboratory experience is an integral part of the curriculum.
- New 10th grade students take a biology or chemistry course.