

## HONORS COURSE TRACKS

If you are selecting honors courses at the Middle School, you should know how these choices impact your course options at the High School. If you complete French I or Spanish I at the Middle School for a High School credit, you will be able to take an AP course in that language as a senior. The course options for Mathematics, Science, and English/Language Arts are as follows:

### Regular Education Track

Grade	Mathematics	Science	English
6	Connected Math 6	Science 6	Language Arts 6
7	Connected Math 7	Science 7	English 7
8	Connected Math 8	Science 8	English 8
9	Algebra I	Earth Science and the Physical Environment (EPE)	English 9
10	Geometry	Biology	English 10
11	Algebra II	Environmental Science <b>or</b> Chemistry	English 11
12	College Algebra/ Trigonometry <b>or</b> Pre-Calculus	Chemistry, Physics, Environmental Science <b>and/or</b> AP Biology	English 12

### Honors Track

Grade	Mathematics	Science	English
6	Honors Math 6	Science 6	Honors Language Arts 6
7	Honors Math 7	Science 7	Honors English 7
8	Algebra I *	Earth Science and the Physical Environment (EPE) *	Honors English 8
9	Honors Geometry	Honors Biology	Honors English 9
10	Honors Algebra II	Honors Chemistry <b>or</b> Chemistry	Honors English 10
11	Honors Pre-Calculus	Physics, Environmental Science, AP Biology <b>and/or</b> AP Chemistry	Honors English 11
12	AP Calculus AB or AP Calculus BC (more challenging)	Physics, Environmental Science AP Biology , AP Chemistry <b>and/or</b> AP Physics B	AP English 12

\* Indicates High School credit given for a Middle School course

# EIGHTH GRADE HONORS SCIENCE

## Earth Science and the Physical Environment (EPE)

### 1. Why should my 8th grade student take this?

The course is designed for students who excel in the sciences and have an interest in moving into more challenging courses at the high school. It provides them with the opportunity to have earlier access to all of the AP science classes offered at the high school and prepares them for the "Earth" and "Space" sections of the Science portion of the Ohio Graduation Test that they will not receive in Honors Biology.

### 2. What does this do to the science sequence at the high school?

Honors Science students take core science classes a year earlier as shown below:

9th	Honors Biology
10th	Honors Chemistry
11 <sup>th</sup>	AP Chemistry and/or AP Biology
12 <sup>th</sup>	AP Physics B (if concurrently enrolled in Calculus) and/or AP Chemistry, AP Biology (if not taken in 11th grade)

### 3. What impact does honors science have on the math sequence?

In the honors sequence, there are 3 places where concurrent math registration with a particular course is essential:

Honors Chemistry and Chemistry (Algebra 2)	
Physics	(Pre Calculus)
AP Physics B	(Calculus)

Honors science students (typically 10th graders) who are NOT taking Algebra II concurrently with their Honors Chemistry/Chemistry class do not meet course registration criteria and 1) may want to take Environmental Science instead - this will cause them to go back to a regular series of science courses.

### OR

The student will have to "double up" in math in 10th grade by taking both Geometry or Honors Geometry **AND** Algebra 2 or Algebra 2 Honors. This option can be overwhelming for some students and the decision is dependent on their math ability and personal motivation.