

**East Greenbush Central School District
Columbia High School Science Course Selections
2017**

Pathway #1

8th Science 8th
9th Living Environment Core
10th Earth Science Core
11th Options
12th Options

Options

General Chemistry
Environmental Science
Forensics
Chemistry R
General Physics
PLTW electives*

Pathway #2

Science 8th
Earth Science R
Living Environment R
Chemistry R
Physics R

Options

Environmental Science
General Chemistry
Forensics
General Physics
PLTW electives*

Pathway #3

Earth Science R
Living Environment H
Chemistry H + Options
AP Physics 1 +Options
Options

Options

AP Biology
AP Chemistry
AP Env. Sci.
AP Physics C
Science Research[#]
PLTW electives*

[#]Science Research Program is a 3 year program (10-12) in which students can receive college credit and complete their own research.

* PLTW courses must be taken concurrently with Pathway designated science courses
(Introduction to Engineering Design, Principles of Engineering, Computer Integrated Manufacturing)

- All students must take and pass 3 Science courses, one in a Physical Science (ES), one in a Life Science (Living Environment), and the 3rd is their option. They must pass at least one regents exam.
- For an Advanced Regents diploma you must take at least 3 years of science and pass the physical and life science regents.
- It is highly recommended that students pursuing a 4-year college degree take *at least* 4 science classes before graduate

Placement of Students in Courses:

Students should be placed in courses that are challenging, yet best match their abilities. The Goff Middle School Science Staff, Special Education teachers and the 6-12 Science Department Chairperson use a number of criteria when making the determination of which placement would best serve each student. These include:

1. Teacher Recommendation
2. Report Card grades for 6th, 7th and 8th grades
3. Final Examination Scores for 6th, 7th and 8th grades
4. NYS Science test grades for 4th and 8th grades
5. If acceleration is recommended additional requirements will need to be completed.
This includes an additional testing date in the spring and written explanation of readiness to take on additional academic responsibilities.

Our goal is to continue to support the hard work and effort of all students in order to ensure a level of challenge that best fits their needs. The eighth grade Science staff will recommend which course each student should register for.