

Pelham High School Environmental Science STEM Pathway

P A T H W A Y S

Why choose the Environmental Science Pathway?

Students should participate in the Environmental Science Career Pathway if they have an interest in careers related to the environment and if they intend to pursue a degree in environmental studies, environmental science, environmental engineering, ecology, or related fields.



*“Conservation is a state of harmony between men and land.”
--Aldo Leopold*

Is this the career path for you?

- Do you enjoy problem solving with cause & effect relationships?
- Do you enjoy hands-on work?
- Are you curious about health effects caused by the environment?

*“All is connected... no one thing can change by itself.”
--Paul Hawken*

Why should I sign-up for the Environmental Science Pathway?

The Environmental Science Pathway will provide you with the following benefits:

- ✓ Opportunity to take college courses and earn early college credits.
- ✓ Exposure to Environmental Science field trips and guest speakers.
- ✓ Assist you defining your educational and career goals prior to high school graduation.

...It is never too early to think about your future!

According to the U.S. Department of Labor, long-term projections for Environmental Science careers to 2026 are as follows:

<u>Career Path</u>	<u>Rate of Growth</u>	<u>Educational Experience</u>
Environmental Science Protection Technicians	12%	Associate Degree
Environmental Engineers	8%	Bachelor Degree
Environmental Scientists and Specialists	11%	Bachelor Degree

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What courses am I required to take?

Students in the STEM Pathway are required to follow a sequence of three (3) academic courses that must include the following:

Choose Three (3) Required Courses

STEM Pathway Requirements	Recommended Year			
	9	10	11	12
Introduction to STEAM (.5 credit)	X	X		
Excel <i>(College Credits Available)</i>			X	X
Statistics <i>(College Credits Available)*</i>			X	X
Pre-Calculus			X	X
Physics			X	X

** Indicates that students have the option to sign up for either the college course or the non-leveled course.*

In addition to the above courses, students in the pathway will follow a sequence of required courses, some are college-level and will provide the opportunity to earn college credits through the Community College System of New Hampshire:

Option #1

Environmental Science Pathway Requirements	Recommended Year			
	9	10	11	12
Biochemistry			X	X
Statistics <i>(College Credits Available)*</i>			X	X
CP Biology			X	X
Environmental Science (AP)			X	X

** Indicates that students have the option to sign up for either the college course or the non-leveled course.*

Option #2

Environmental Science Pathway Requirements	Recommended Year			
	9	10	11	12
Environmental Science and Natural Resources 1 (Pinkerton CTE Program)			X	
Environmental Science and Natural Resources 2 (Pinkerton CTE Program) or AP Environmental Science				X

What are the honor cord requirements for the STEM pathway?

An honor cord signifying your academic achievement in the STEM Pathway will be awarded to students who complete the following requirements:

- Completion of required and elective courses in the STEM Pathway with an overall 3.0 GPA
- Minimum overall 2.5 GPA in all high school courses
- Active participation in the Recycling Club and/or Hiking Club or other approved extended learning opportunity

