

Dundalk High School SCIENCE

Ms. Evans

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THREE REQUIRED SCIENCE COURSES FOR GRADUATION

- ▶ **Earth Systems** is a problem-based course where students will explore how minor changes, including human impacts, in one part of one system can have large and sudden consequences in parts of other systems or have no effect at all.
- ▶ **Living Systems** is a problem-based where students will study life ranging from single molecules, through organisms and ecosystems, to the entire biosphere and its history that is all life on Earth. Students will explore the interconnected and interacting components of life.
- ▶ **Integrated Physics and Chemistry** is a problem-based course where students will explore physical and chemical basis of a system within the structure of matter at the atomic and subatomic scale and discover how it influences the system's larger scale structures, properties, and function.

MISA Testing (Maryland Integrated Science Assessments)

- ▶ Required State test that students must take and is based on the Living Systems course.
- ▶ This is Life Science (LS) assessment.
Taken at the end of the course.
- ▶ Calculated into FINAL grade.



11th and 12th Grade: AP Environmental

- Major topics including the concepts of Earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change.
- It is a rigorous science course that stresses scientific principles and analysis and that often include a laboratory component.
- **Teacher recommendation required.**



Dundalk High School Electives

Forensic Science	Paramedical Science	Horticulture	AP Environmental Science
<ul style="list-style-type: none">• Real World Application• Criminal Investigation• Analysis of evidence	<ul style="list-style-type: none">• Legal aspects of patient care and the health care provider's rights and responsibilities under the law.• Students learn how to gather information at the scene of a medical emergency and provide basic life support techniques.• Students will study selected aspects of human anatomy and physiology.	<p>Students will explore how to plant and raise garden vegetables, flowering plants, shrubs, and trees, creating a landscape design, plant conservation, or who are interested in aquaponics or the floral and/or landscaping industry.</p>	<p>Major topics including the concepts of Earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change</p> <p>Required labs.</p>