RIVERDALE HIGH SCHOOL

Science Subject Brief

Staff Members

- Dylan Barwood
- Kathryn Mahoney
- John Preacher

The Science department emphasizes scientific inquiry, lab experimentation, and critical problem-solving across core disciplines including physics, chemistry, biology, and earth science. Through hands-on investigation and mathematical modeling, students learn to analyze empirical data and understand the natural laws and biological systems governing the physical world.

9th Grade

- **Integrated Physical Sciences 9**
  How do scientific inquiry and mathematical models help us explain, predict, and interact with the physical forces that govern our world?

10th Grade

- **Integrated Chemical Sciences 10**
  How do the properties and interactions of matter drive physical and chemical changes, and how do we use scientific inquiry to investigate them?

11th/12th Grade International Baccalaureate Diploma Program

- **IB Biology**
- **IB Physics (*Forecasted)***

Riverdale Electives: Current & Historic

- **Geology - PSU Challenge Course**
- **Anatomy**
- **Circuits & Digital Logic**
- **Immunology and Disease**
- **Neurobiology**
- **Zoology & Art**
- **And more…**

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