Project-Based Inquiry Science™ (PBIScience) is a 3-year middle-school curriculum designed to be taught as stand-alone units. You can teach by domain (Life, Physical, Earth and Space Science) or you can integrate the sciences each year.

Students Learn Like Scientists and Engineers
- Based on research in the cognitive and learning sciences.
- Developed through rigorous, iterative, research-based cycles.
- Integrates science and engineering practices, crosscutting concepts, and core ideas.
- Big Questions and Big Challenges guide instruction and organize learning progressions.
- Collaborative groups engage in rigorous science discourse.
- Students design investigations, generate data, assess the trustworthiness of their data, make claims, and justify claims with evidence-based explanations.

Engineering and Science Go Hand-in-Hand
The individual units in PBIScience present three types of projects:
- Solving an engineering problem: Students are presented with a realistic community scenario and a problem they need to address.
- Addressing an engineering design challenge: Students iteratively design, build, and test a device.
- Answering a Driving Question: Students answer a complex science question about a phenomenon that has real-world implications.

Support for Teachers
- Student Editions and educative Teacher Guides are available in print and digital formats.
- A CyberPD website provides preparation and just-in-time support, including professional-development, unit walkthrough, and setup videos.
- A professional learning community provides opportunities to communicate and share ideas with others.
Big Challenge or Big Question

Each unit is designed around a project meaningful to students’ lives. The Big Question or Big Challenge for each unit then drives the 3-dimensional learning experiences throughout the unit.

Project Board

Students use a Project Board over the course of the unit to track what they think they know, what they need to investigate, what they are learning, their evidence, and how new understandings relate to the question or challenge.

Learning Sets

Each unit is composed of Learning Sets—one for each subquestion that needs to be answered in order to address the Big Question or the Big Challenge. To address these subquestions, students engage in science and engineering practices and explore the concepts needed to complete their project.

Answer the Big Question/Address the Big Challenge

At the end of each unit, students address the Big Question or the Big Challenge using everything they have learned throughout the unit.