



REAL
SCIENTISTS +
HANDS-ON
STEM

SCIENCE FROM SCIENTISTS®

In-School Module-Based STEM Education Program

Our In-School Module-Based (ISMB) program takes an innovative approach to STEM education. **We send real, charismatic scientists into grades 3–8 to teach hands-on, minds-on STEM lessons**, every other week, throughout the school year.

Students who participate in our ISMB program show improvements in learning, confidence, and interest in STEM. Teachers also benefit by observing and assisting during our standards-based, student-centered classroom visits.

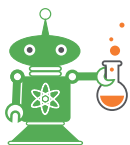
Signature Program Overview

- Real scientists visit your classroom to teach lessons to students in grades 3–8
- All materials for hands-on learning provided
- Sign up for a full-year (16 visits) or half-year (8 visits) partnership with classroom visits every other week*
- Choose from more than 100 lessons in our extensive standards-aligned library
- Lessons range from 40–60 minutes to best fit your class schedule
- Virtual options available for schools outside our service area
- Lesson preparation and follow-up material provided

*Single day or shorter term programming also available

Program Cost

ISMB program pricing is based on number of visits and classrooms. Our team can work with your school or district to help secure funding, as needed. For more information, email info@sciencefromscientists.org.



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Lesson Highlights

Our extensive science lesson library makes it easy for schools to engage students in materials-rich, hands-on science and engineering experiences. Below are examples of some of the lessons we offer.



Engineering Highlights

Students create Rube Goldberg devices using simple machines, engineer with Legos to design and improve their own bookshelf models, or prototype solutions to solve the problem of beach erosion.

Life Science Highlights

Students play the role of predators to experience the benefits of camouflage, dissect owl pellets to discover owls' role in the ecosystem, or race their classmates to gather the resources they need to photosynthesize and grow the tallest!

Physics Highlights

Students build circuits to test conductivity of common materials, observe how light interacts with various objects, and investigate thermal properties of different materials in order to design an insulating coffee mug.

Scientific Practices Highlights

Students attempt to replicate the external behavior of an unknown system, or demonstrate their observation skills by describing a mystery object using qualitative and quantitative clues.

Anatomy and Physiology Highlights

Students extract strawberry DNA, dissect a frog (or an eyeball), or experiment with neural pathway development in motor learning using bean bags and a little target practice.

Chemistry Highlights

Students explore the states of matter using dry ice, create their own pH scale to understand acids and bases, or identify a mystery substance using analytical chemistry.

Earth Science Highlights

Students excavate fossils as paleontologists, model our solar system to understand the scale of space as astronomers, or demonstrate the rain shadow effect with a mini-mountain as geologists.

Technology Highlights

Students write conditional statements to guide a robot to explore Mars' landscape, spy on social media posts to advertise movies (and learn about the dangers of social media), or discover how complicated it really is to recycle that old broken phone.

“My students love having a ‘real’ scientist come into our room. They have realized there are so many more areas to science than just what they are exposed to in our curriculum.”