

FREEPORT-MCMORAN FOUNDATION CENTER FOR LEADERSHIP IN LEARNING

Now scheduling learning opportunities for the 2024-2025 school year!

Professional learning with Arizona Science Center is hands-on, standards-aligned and research based. Each session below is 2-3 hours, unless otherwise indicated, and can be bundled to create a full day (6 hours) or split into 1.5-hour segments. By attending a session, educators will also gain access to the Center's database of science lessons.

Topic	Session 1	Session 2	Session 3
Integrating STEM K-12	<i>Integrating STEM through Literature</i>	<i>Exploring the "M" in STEM</i>	<i>Connecting Social Studies & STEM</i>
Project-Based Learning K-8	<i>Experiencing a Project Based Learning Cycle Part 1</i>	<i>Experiencing a Project Based Learning Cycle Part 2</i>	<i>Planning a PBL Workshop</i>
Inclusive Teaching Practices K-8	<i>Supporting all Learners: Inclusive Teaching Practices</i>	<i>Strategies to Meet the Needs of All Learners</i>	
Early Childhood Science PreK-1	<i>Early Science and Sensemaking</i>	<i>STEM through Guided Play</i>	<i>Developing Language through Early Science</i>
Engineering Design Process PreK-8	<i>Science and Engineering with Parachutes</i>	<i>Engineering Design Challenges in the Classroom</i>	<i>Engineering in the Early Years</i>
Establishing an Effective Science Classroom PreK-8	<i>Classroom Management Strategies for the Collaborative Classroom</i>	<i>Inquiry-Based Science</i>	<i>Rethinking Science Assessments</i>
Maker Mindset PreK-12	<i>Establishing your own Makerspace</i>	<i>3D Printing: Bring your Curriculum to Life</i>	<i>Programmable Devices: Edison Robots, Micro:bits, SAM Labs, etc.</i>
Refining your STEM Mission & Vision PreK-12	<i>Developing a STEM Mission and Vision</i>	<i>Evaluating your STEM Progress & Goal Setting (1 hour)</i>	
5E Learning Cycle: Research-Based Instructional Strategies PreK-12	<i>Teaching through Misconceptions</i>	<i>Addressing Misconceptions with the 5E Learning Cycle</i>	
Computer Science K-5 (\$20 per person)	<i>Arizona's Computer Science Standards</i>	<i>CS Fundamentals K-5 (6 hours)</i>	<i>CS Fundamentals Deep Dive K-5 (6 hours)</i>
Computer Science 6-12 (\$700 per person)	<i>CS Discoveries Grades 6-10 (54 hours)</i>	<i>CS Principles Grades 9-12 (54 hours)</i>	<i>AP CSA Grades 9-12 (54 hours)</i>

FREEPORT-MCMORAN FOUNDATION CENTER FOR LEADERSHIP IN LEARNING

Coaching and Mentorship

Coaching and Mentoring PreK-8	<i>Coaching for Individual Educators</i>	<i>New Educator Mentorship</i>	<i>Grade Level and Department Coaching</i>
-----------------------------------------	------------------------------------------	--------------------------------	--------------------------------------------

Science Teacher Residency Program (STaR)

This intensive, content-specific professional development opportunity includes 40 hours of professional development and science content kits to implement what you've learned in the classroom.

Topic	Science Content
STaR: Life Science Module 3, 5, 6 & 8	<i>Discover how energy flows through an ecosystem, how organisms adapt to their ever-changing environments, how animals and plants depend on each other for survival, and more!</i>
STaR: Chemistry Module 5, 6 & 8	<i>Reveal the tiny particles that make up matter, how and why matter exists in different forms, the effects of combining substances, and the unique properties of various chemicals.</i>
STaR: Space Science Module 5-6	<i>Explore how the Earth and Moon move within our solar system, why the Moon's appearance changes, the cause of eclipses and the effects of Earth's tilt on the length of days and seasons.</i>
STaR: Environmental Science Module 3, 4, 5, 6 & 8	<i>Investigate the study of the environment and solutions to environmental problems by examining physical, chemical and biological conditions of the environment and their effect on organisms!</i>
STaR: Early Childhood Physical Science Module K-2	<i>Explore how light and sound waves interact with objects around us, observe forces acting on objects, identify the properties of matter, and discover the types of matter and how they change states</i>
STaR: Physical Science Module 4-7	<i>Dive into forces such as pushes and pulls, how gravitational force is universal, how balanced and unbalanced forces affect objects, and so much more!</i>
STaR: Earth Science Module 4, 7 & 8	<i>Dig into the changes to Earth's surface, provide evidence of past plate motions and design solutions to predict and minimize the effects of natural hazards.</i>

Starting Pricing*

Full Day Session	<i>Approximately 6 hours</i>	\$2,500
Half Day Session	<i>Approximately 3 hours</i>	\$1,250
Micro Session	<i>Approximately 1.5 hours</i>	\$700
Coaching and Mentoring Session	<i>Approximately 1 hour</i>	\$175

If interested, please fill out our interest form and we will contact you shortly!

If you have any questions, visit AzScience.Org or email cll@azscience.org.

*If farther than 50 miles from Arizona Science Center or more than 40 educators, there will be an additional fee.