

# FREEPORT-MCMORAN FOUNDATION CENTER FOR **LEADERSHIP IN LEARNING**

***Now scheduling learning opportunities for the 2022-2023 school year!***

Professional learning with Arizona Science Center is standards-aligned, research-based and customized to the unique needs of our partners. Let us help you prepare leaders for the 21st Century! Funding to offset the cost of professional learning with Arizona Science Center can be obtained through State and Federal grants such as Title I, Title II, Title IV-A and ESSER funds (see Arizona Department of Education for specific information) as well as community funders such as PTO/PTA, local service clubs and others.

## **ARE YOU LOOKING TO....**

- Expand STEM learning opportunities at your school or in your district?
- Help students get their education back up to speed?
- Support teachers new to STEM education?
- Provide summer enrichment programs?

## **LET US HELP WITH....**

- Customized professional development
- Mentoring and coaching support
- Consulting services

### **TO LEARN MORE, PLEASE CONTACT:**

**Center For Leadership In Learning**  
cll@azscience.org



Never stop wondering.  
Never stop imagining.™

## Current Offerings

Topic/# of 3-Hour Sessions	Session 1	Session 2	Session 3	Session 4	Session 5
<b>Project-Based Learning 101</b>	<i>Experiencing a PBL</i>	<i>Project or PBL?</i>	<i>Synthesize Project Based Learning</i>	<i>Planning a PBL</i>	
<b>Project-Based Learning 201</b>	<i>Project Slice</i>	<i>Gold Standards &amp; Developing a Driving Question</i>	<i>Planning an Entry Event &amp; Creating a Flash Draft</i>		
<b>Engineering Design Process</b>	<i>Is It Making?</i>	<i>Experiencing the Engineering Design Process</i>	<i>Planning an Engineering Design Challenge</i>		
<b>Establishing &amp; Maintaining an Effective Science Classroom</b>	<i>Establishing Norms &amp; Routines</i>	<i>Material &amp; Lab Safety</i>	<i>Facilitating Collaborative Learning &amp; Tech Tools</i>	<i>Problem-Solving through Science</i>	<i>Inquiry-Based Science</i>
<b>Integrating STEM</b>	<i>Integrating STEM through Literature</i>	<i>Exploring the "M" in STEM</i>	<i>Connecting Social Studies &amp; STEM</i>		
<b>Maker Mindset</b>	<i>Fostering a Maker Mindset</i>	<i>Designing &amp; Maintaining a Makerspace</i>	<i>Human-Centered Design</i>		
<b>Becoming a STEM School</b>	<i>What is STEM?</i>	<i>Developing a STEM Mission</i>	<i>Building &amp; Supporting a STEM Culture</i>	<i>Evaluating Your STEM Progress</i>	<i>Reflections, Revisions &amp; Next Steps</i>
<b>Research-Based Instructional Strategies: 5E Learning Cycle</b>	<i>Introduction to the 5E Learning Cycle - Outdoor Science</i>	<i>Explaining the World Around You</i>	<i>Extending and Evaluating the World Around You</i>	<i>Planning a 5E Instructional Sequence Pt 1</i>	<i>Planning a 5E Instructional Sequence Pt 2</i>
<b>Preschool Science</b>	<i>Early Science and Sensemaking in the Preschool Classroom</i>	<i>STEM Through Guided Play</i>	<i>Tinkering and Making in Preschool</i>	<i>Developing Language through Guided Play</i>	
<b>STEM Leader Series</b>	<i>What is your STEM Vision?</i>	<i>Building and Supporting a STEM Culture</i>	<i>PBL Leadership</i>	<i>How to Evaluate STEM and Project Based Learning</i>	
<b>Science and Engineering Practices (either/or)</b>	<i>Science and Engineering with Parachutes</i>	<i>Science and Engineering with Weathering/Erosion</i>			
<b>Computer Science K-5 *</b>	<i>Arizona's Computer Science Standards</i>	<i>CS Fundamentals K-5</i>	<i>CS Fundamentals Deep Dive K-5</i>		
<b>Computer Science 6-12</b>	<i>CS Discoveries Grade 6-10</i>	<i>CS Principles Grades 9-12</i>	<i>AP CSA Grades 9-12</i>		
<b>Game Hack and Design</b>	<i>Game Hacking and Design</i>				
<b>CONNECT with the New Science Standards</b>	<i>Welcome to Connect</i>	<i>CONNECT with the New Science Standards: Life Science</i>	<i>CONNECT with the New Science Standards: Physical Science</i>	<i>CONNECT with the New Science Standards: Space Science</i>	<i>CONNECT with the New Science Standards: Chemistry</i>
<b>Teaching the New Standards *</b>	<i>Unraveling the Standards</i>				