

# SCIENCE ON WHEELS

ARIZONA SCIENCE CENTER



## SCIENCE ON WHEELS PRESCHOOL PROGRAMS

We bring the science to you! Science on Wheels engages people of all ages in Science, Technology, Engineering and Math (STEM) experiences at your site. From large-scale Assemblies and Family Nights to smaller-scale Classroom Workshops, our engaging programs are sure to spark a passion for science.

Our in-depth, hands-on programs are well-equipped for a variety of settings and consist of grade-specific content that supports Arizona College and Career Readiness Standards and Next Generation Science Standards.

**LEARN MORE AND REQUEST YOUR SCIENCE ON WHEELS  
EXPERIENCE AT [AZSCIENCE.ORG!](https://www.azscience.org)**



**WORKSHOPS | PRESCHOOL**  
**UP TO 25 PARTICIPANTS | 60 MINUTES | \$250 PER SESSION**

We bring the science to your classroom! Science on Wheels Workshops consist of hands-on, grade-specific content based on Arizona State Education Standards. They are designed for a single class or similarly-sized group.

**1. 3-2-1 Blastoff—Stomp Rockets**

We're going to have a blast! Design, build and test your own rockets using a specially-engineered stomp rocket launch pad.

**2. All About Arizona**

Learn about some of the things that call the desert home. Observe real desert plants, rocks, fossils and artifacts, then create a desert animal and protect it from the sun.

**3. All About Clouds**

Your head will be in the clouds as you learn about the water cycle, create clouds and observe a liquid nitrogen cloud in action.

**4. Bounce and Roll**

Explore the scientific relationship between gravity, force and motion through various hands-on physics experiments. Engineer ramps, knock down bowling pins and make a bouncy ball to take home!



**5. Bubble-ology**

Pop! Mix up your own bubble solution, create and test unique bubble wands, and observe a giant bubble from the inside!

**6. Build It**

What can you build? Learn about engineering, math and architecture as you complete multiple building challenges—including recreating famous structures from around the world!

**7. Coding with Kibo**

Meet Kibo, a robot that introduces young scientists to coding using blocks! Build and program your robot to complete a series of movements and sounds.

**8. Colorful Chemistry**

Join our journey of rainbow science as we mix up colorful art, color-changing chemistry experiments and make a lava lamp to take home.

**9. Dino-mite!**

Explore paleontology as we transform into dinosaur detectives. Piece together a skeleton, excavate a dino egg and create your very own fossil!

**10. Icy Investigations**

Winter is here! Learn about snow and ice, make your own snow, and observe one of the coldest liquids on Earth: liquid nitrogen.

**11. Insectarium**

Discover characteristics of insects as you observe live critters, “see” like a bug and build a terrarium.

**12. It’s Slime Time!**

Get messy as you investigate preschool chemistry! Learn about the properties of silly, slippery slimes and invent a scientific goo to take home.



### **13. Junior Detectives**

Who stole the cookies from the cookie jar? Learn how to analyze fingerprints and use detective tools, then use those skills to solve the cookie jar mystery!

### **14. Light and Shadows**

Discover the characteristics of light and shadows by hunting for shadows, exploring light mixing and creating shadows with a variety of objects.

### **15. Scribble Bots**

Use the engineering design process to brainstorm, build and decorate a Scribble Bot. What unique designs can your robot scribble?

### **16. Solar Science**

Explore the star that provides light, heat and energy. Safely observe the Sun with solar telescopes and create art projects that harness its power!

### **17. Space Explorers**

Explore your favorite planets and stars in space! Learn how to use a real telescope, build a constellation viewer and see the Moon up-close.

### **18. Whirly, Twirly, Flying Things**

Design soaring helicopters and test them out in our specially-engineered wind tunnel.



**UNIVERSE ON WHEELS**  
**MOBILE PLANETARIUM DOME**  
**GRADES PREK-12**

**LARGE DOME**

**19' tall, 30' long, 22' wide**

40-50 Participants per Show

2 Hours Minimum (~3 Shows per Hour)

\$850 For the First 2 Hours, \$100 Each Additional Hour

**SMALL DOME**

**10' tall, 17' long, 17' wide**

30 Participants per Show

2 Hours Minimum (~3 Shows per Hour)

\$650 For the First 2 Hours, \$100 Each Additional Hour

See the stars with Universe on Wheels! The Mobile Planetarium Dome is a state-of-the-art, inflatable, ADA-accessible portable planetarium that can seat 30-50 participants at a time, depending on ages. Shows vary in topic, length and grade level, and multiple groups can rotate throughout the day.

*Note: The Dome requires a large indoor space, such as a gymnasium or cafeteria, that is at least 19 feet tall, 22 feet wide and 30 feet long.*



## PRICING

### WORKSHOPS | PRESCHOOL

- \$250 for the first session
- \$250 for each additional session

### UNIVERSE ON WHEELS

- Large Dome | \$850 for First 2 Hours
- Small Dome | \$650 for First 2 Hours
- For Both Domes | \$100 for each additional hour\*

### TRAVEL FEES

- 50-100 miles from Arizona Science Center: \$100
- 100-150 miles from Arizona Science Center: \$150
- 150-200 miles from Arizona Science Center: \$200
- 201+ miles from Arizona Science Center: \$250
- Requires Overnight Stay: \$250