

# SCIENCE ON WHEELS



## SCIENCE ON WHEELS PROGRAMS FOR GRADES K-1

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](http://AZSCIENCE.ORG)!**



**WORKSHOPS | GRADES K-1**  
**UP TO 30 PARTICIPANTS | 60 MINUTES | \$300 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.

*Pricing varies and is listed under each grade level. \*Discounts available for multiple sessions of the same Workshop on the same day.*

**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. 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!

**3. Bubble-ology**

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

**4. 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.

**5. 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.

**6. 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.

**7. Insectarium**

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

**8. 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!

**9. 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.

**10. Scribble Bots**

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

**11. 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!

**12. 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.

**13. Stomach This**

Explore the longest system in the human body: the digestive system! This hands-on program illustrates how food travels through our bodies and gives us the nutrients we need to survive.

**14. Whirly, Twirly, Flying Things**

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



## **ASSEMBLIES**

**UP TO 100 PARTICIPANTS | 45 MINUTES | \$400 PER SESSION\***

Prepare to be amazed by chemistry, liquid nitrogen, and fiery experiments!

*\*Discounts available for multiple sessions of the same assembly on the same day.*

### **FOR GRADES K-5**

#### **Superhero Science**

Who's your favorite superhero? Explore the science behind fan-favorite super powers such as flying, freeze rays and lightning discharges!

### **FOR GRADES K-8**

#### **Combustion!**

What are the three elements a fire needs to ignite? What happens when we change one of these elements? Learn about fire safety and explore combustion in this red-hot assembly!

#### **Really Cool Science**

Take a break from the Arizona heat to learn about solids, liquids and gases while observing some of the coolest liquid nitrogen experiments!



**FAMILY SCIENCE NIGHTS**  
**UNLIMITED PARTICIPANTS | 2 HOURS MINIMUM**  
**\$500 FOR THE FIRST 2 HOURS**  
**\$100 EACH ADDITIONAL HOUR\***

Invite your friends and family! Family Science Nights are ideal for large audiences of all ages. These engaging programs consist of hands-on activities that curious minds can explore at their own pace. While available during school hours, Family Science Nights are designed for evening events or as an addition to your school's Science Night.

**FOR GRADES K-2**

**Storybook STEM Family Night**

Combine STEM and literacy through engaging, hands-on challenges. Each activity is inspired by a popular childrens' book.

**FOR GRADES K-8**

**All About Arizona Family Night**

Explore the amazing state we call home through hands-on activities. Observe desert animal characteristics, mine for copper, decorate a cactus, and more!

**Astronomy Family Night**

Explore space with hands-on activities about planets, stars, gravity, and being an astronaut. And view space through telescopes!

*\*Note: The site must provide an adult volunteer to supervise the telescopes outside.*



### **Brain Games Family Night**

Put your brain to use! Explore hands-on puzzles, riddles, and challenges that exercise different parts of your brain.

### **Engineering Family Night**

Channel creativity, problem solving, teamwork, and communication through hands-on challenges and explore the role of engineering in everyday life.

### **Explore STEM Family Night**

Build a tower, make a binary code bracelet, explore the planets, decorate a cactus, and more! This family night combines elements of all the other family nights.



**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.*



## **STEM EXTRAVAGANZA**

**GRADES K-8**

**UP TO 900 PARTICIPANTS | FULL OR HALF DAY  
PRICING VARIES**

Invite Arizona Science Center for a science-filled school takeover! This highly customizable experience includes a full- or half-day of fun filled with engaging, hands-on experiences. Students rotate through hands-on workshops, exciting science assemblies, Universe on Wheels planetarium presentations and more! Available as an add-on, teachers can engage in STEM professional development opportunities and activities.

### **PRICING BASED ON FULL-DAY EXPERIENCE**

- Less than 100 students: \$2,500
- 101-200 students: \$4,200
- 201-400 students: \$7,000  
*Note: Must split students in two groups: one session in the morning, one session in the afternoon*
- 401-600 students: \$9,200  
*Note: Must split students in two groups: one session in the morning, one session in the afternoon*
- 601-900 students: \$11,000  
*Note: Must split students in two groups: one session in the morning, one session in the afternoon*



## PRICING

### WORKSHOPS

- \$300 for the first session
- \$225 for each additional session\*

### ASSEMBLIES

- \$400 for the first session
- \$250 for each additional session\*

### FAMILY SCIENCE NIGHTS

- \$500 for the first two hours
- \$100 for each additional hour\*

### 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\*

### STEM EXTRAVAGANZA

*Note: Pricing varies based on the number of students and length of day. Add-ons such as Universe on Wheels and educator professional development may affect the prices below.*

- Less than 100 students: \$2,500
- 101-200 students: \$4,200
- 201-400 students: \$7,000  
*Note: Must split students in two groups: one session in the morning, one session in the afternoon*
- 401-600 students: \$9,200  
*Note: Must split students in two groups: one session in the morning, one session in the afternoon*
- 601-900 students: \$11,000  
*Note: Must split students in two groups: one session in the morning, one session in the afternoon*

### 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

*\*Discounted sessions/hours must be the same Workshop, Assembly, Family Science Night or STEM Extravaganza topic on the same day.*