

“We’ve Lost Our Marbles!”

OUTREACH PRE-VISIT PAGE (Pre-K Ages 3-5) 1 hour

The Arizona Science Center will be arriving no later than 15 minutes before the start of your program(s). **“We’ve Lost Our Marbles”** is intended to be a hands-on introductory program that:

- Introduces the relationship between gravity and force and how they affect motion
- Allows children the opportunity to develop theories about motion
- Supports mathematics and science learning through hands-on, engaging physics activities

PROGRAM NEEDS

- Two adult helpers
- **The Arizona Science Center’s instructor is a guest in your classroom. Instructors/helpers MUST remain in room for the duration of program for liability reasons. We cannot be responsible for your students.**
- Limited to 30 participants
- One preparation table set off to the side of the room
- Table/desk workspace for students
- Floor space for literacy engagement activity
- If multiple programs are scheduled at your location, it is ideal that the instructor set up in one room and participants be brought in; otherwise allow 15 minutes between programs

Before the Program Preparation

- Introduce children to spherical shapes like bouncy balls, marbles, golf balls, and globes. Let them explore the motion that these 3-D objects can do.
- Encourage students to use a block area to build ramps.

Extended Learning Opportunity ideas will be offered at the end of the program.

Arizona Early Learning Standards

Science S1C1-C4: Learns about gravity and motion through a scientific process

Language and Literacy S1C1-C2: Engages in a vocabulary-rich story

Physical Development S1C1-C2: Fine and gross motor development



