

P.L.A.Y. Properties of Light, Acquisition for Youngsters

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). **P.L.A.Y.** is intended to be a hands-on introductory program that covers:

- Effects of light on transparent, translucent, and opaque objects
- Hands-on experience with light and objects
- Understanding of the properties of light

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 at the front of the room
- Table/desk workspace for students
- Floor space for literacy engagement activity
- Ability to turn lights on and off in the classroom
- 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 Day (In Preparation)

- Offer flashlights to the children
- Observe sunlight through a window or outside of the classroom, and record the children's quotes about it

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

Arizona Early Learning Standards

Science S1C1-C4: Learns about light through the Scientific Process

Language and Literacy S1C1-C2: Understands processes through a story

Mathematics S3C1: Observes properties of light

Fine Arts S3C1-C2: Creates art using light and objects

Physical Development S1C1-C2: Gross and fine motor development



