

Kaleidoscopes, Rainbows, and Shadows

OUTREACH PRE-VISIT PAGE (PreK Ages 3-5) 45 minutes

Arizona Science Center will be arriving no later than 15 minutes before the start of your program(s). **Kaleidoscopes** is intended to be a hands-on introductory program that covers:

- Light that looks white is actually made up of many different colors
- Light can be separated into its colors using several different materials
- Colors can be combined to create other colors

PROGRAM NEEDS

- Three adult helpers
- One instructor table at front of room
- Limited to 25 participants
- Water source readily available
- 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

EXTENSION/PREPARATION ACTIVITIES

- Compare the colors of the rainbow
- Experiment with shadows using a projector or the sun at different times of the day
- Use prisms and light to create rainbows
- Use different colored sand to combine into new colors

Additional literature: *Mouse Paint* by Ellen Stoll Walsh, *A Rainbow of My Own* by Don Freeman