

F CUSED FIELD TRIPS

PLEASE NOTE: Parts of Level 1 and all of Level 4 are currently under renovation while we prepare your next scientific adventures! For up-to-date construction information, please visit azscience.org/construction_updates.

Kindergarten Investigation

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ARIZONA
SCIENCE
CENTER 

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Kindergarten Investigation

This Investigation contains activities on a variety of topics found throughout the Center. Exhibits are sometimes removed temporarily for repair or refurbishment, or may be in use by other groups, so be prepared to be flexible.

Investigation Activities

Level 1: All About You Gallery, in the Steele Gallery - Coming Soon! The W.O.N.D.E.R. Center - Coming Soon!

Coming soon! Find out just what makes you, YOU!

Between Levels 2 and 3: Music Landing. Note - this area is not wheelchair accessible.

Dancing Dust

This exhibit is an example of magnets at work. When the music isn't playing, permanent magnets hold the iron dust in place so the dust doesn't move. When the music turns on, a grid of computer controlled electromagnets move causing the iron dust to shiver, sway and dance with the music. Each song has its own choreographed dance programmed into the computer.

Where to go

Dancing Iron Dust Trees

What to do

Have the students decide which song they want to hear play. Watch the iron dust dance to the music.

When the song is finished, ask the students:

What senses do you use to observe this display?

Can you describe what you saw?

What do you think makes the iron dust dance?

Level 3: Forces of Nature, Sybil B. Harrington Galleries

Dig In!

Erosion shapes the land around us. Wind and water are two types of erosion that break down the land around us. Wind erosion is when light objects, such as rocks and pebbles are carried by the wind and can hit landforms, eroding materials which are carried off in the wind. Water erosion occurs by the force of the water flowing over rocks and soil. Over time, when rocks, pebbles or even boulders hit the riverbed, or side, further erosion occurs. Bits and pieces of rock, soil and earth are carried down river.

Where to go

Stream Table

What to do

Encourage the children to play at the stream table to see how water changes a mound of sand they build, a dam they build, and a layer of sand they spread out on the table. Have the students predict how the water will change their sand formations. What happened at first? Later?

Weather Show!

The weather is all around us, all the time. It is an important part of our lives and one that we cannot control. Instead the weather often controls how and where we live, what we do, what we wear and what we eat. Someone who studies the weather is called a meteorologist. Forecasters who you see on television make predictions about the weather.

Where to go

Immersion Theater; check when the next showing will start. The show runs frequently throughout the day.

What to do

Explain that different parts of the world experience different types of weather.

What are some types of weather you have you experienced?

What are some other types of storms you have heard of before?

Stand on the stage and enjoy the forces of nature. After the show ask the students:

What types of weather did you experience?

What types of damage did the weather cause?

How can weather change your life and the lives of others?

Level 4: Solarville, in the APS Gallery

Coming soon! This new, brightly-colored, eco-friendly gallery will offer hands-on exhibits presenting solar energy in a whole new light!