



Field Trip Program Offerings

(Ages indicated are guidelines and are flexible.)

TODDLERS

- *Fun With Bubble Wrap!* – Children investigate sheets of bubble wrap, including crawling or walking on bubble wrap, driving cars and trucks over it, and even painting and printing with it. (Sensory activity)
- *The Need to Squeeze* – Toddlers love to squeeze things! This art activity encourages them to squeeze thick puffy paint out of squeeze bottles into puddles on thick paper. (Great for fine motor development, cause and effect)

PRESCHOOL/KINDERGARTEN/FIRST GRADE

- *Make it Rain!* - Children create their own simulation of how clouds collect precipitation and then release it as rain. (K-ESS3-2)
- *Alien Animals* – The design challenge is to make an animal that can stand on 3 legs, and is at least 4 cubes long. Children can add body parts and eyes, ears, antennae, etc. K-2-ETS1-1
- *A House for the Three Little Pigs* – Using a variety of materials, can you build a strong house that won't fall down when the wind from the fan turns on? K2-ETS1-1 (pre-k also)
- *Rough Road* - Explore the effects of different materials such as bubble wrap, sand paper, aluminum foil, on a car as it travels down a ramp. K-2-ETS1-2)

FIRST and SECOND GRADE

- *Science of Sound* – Children conduct an experiment to make rice “dance” using sound waves. 1-PS4-1
- *Reflections on Light* – Children use mirrors, flashlights, and paper to understand some of the properties of light, and how it responds to different surfaces. 1-PS4-3 (requires a room with little natural light)
- *Speed Engineering*- Roller coasters and speed! Children are guided by the FCM team in building their own roller coasters in this exciting experiment. As they design and build their own roller coaster, children learn about the different kinds of energy and use their knowledge to influence it. (2nd-3rd, ~45 minutes)

EVERYONE!

- *Wind Wonders* – Children work in small groups to design a tabletop maze, and then use a drinking straw to blow a ball through the maze. K-PS2-1
- *Gobs of slime* – All kids love slime – and most grown-ups do too! Kids can make their own slime to take home! Choices include traditional slime, glow in the dark slime, or fluffy slime.
- *Elephant Toothpaste* – Fun experiment using peroxide and yeast. Cool (and slightly messy) reaction!

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- *Magnet painting* – Children investigate the properties of magnets and use them to paint, without ever touching the paint. It's almost magical!
- *Exploding Art* – (outdoors only – trust me!) Kids learn about chemical reactions while making unique works of art.