

# FOR NEXT GENERATION SCIENCE STANDARDS, VISIT: NEXTGENSCIENCE.ORG

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## PARENT TAKE-HOME ACTIVITIES

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### GRADES K–2

#### The Colorful Milk Dish Experiment

*2-PS1-1.* Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties

### GRADES K–2

#### Disappearing Glass

*1-PS4-3.* Plan and conduct investigations to determine the effect of placing objects made with different materials in the path of a beam of light

## ACTIVITIES

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### GRADES K–2 ACTIVITY

#### The Static Hovercraft

*K-PS2-1.* Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object

### GRADES 3–4 ACTIVITY 1

#### Mysterious Gloop

*5-PS1-3.* Make observations and measurements to identify materials based on their properties.

*5-PS1-4.* Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

### GRADES 3–4 ACTIVITY 2

#### Build a Battery-Powered Motor

*3-PS2-3.* Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other

*4-PS3-2.* Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.

*4-PS3-4.* Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.

### GRADES 5–6 ACTIVITY

#### How to Bend Light

*MS-PS4-2.* Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials.

*MS-PS4-3.* Integrate qualitative scientific and technical information to support the claim that digitized signals are a more reliable way to encode and transmit information than analog signals.