



Highlighted Activities

June 29 - July 3



Weekly Theme: Physics

Studying physics strengthens quantitative reasoning and problem solving skills that are valuable in other areas of life. By starting to explore the rules of physics in a simple way at an early age, children begin to understand how things work in the world around them. This week, try one or two activities below to learn about physics!



Grades PreK - 2

<i>Weekly Activity</i>	<p>Title: Pushes and Pulls</p> <p>Pushes and pulls — what scientists call forces — can make things go, stop, speed up, slow down or change direction. Use these activities with your young child to explore pushes and pulls in your world!</p> <p>https://www.pbs.org/parents/learn-grow/age-4/science/pushes-and-pulls</p>	 A woman with dark hair, wearing a purple top, is sitting on a wooden floor with a young child. They are playing with wooden blocks, some of which are stacked into a small tower. The background shows a colorful classroom or playroom with shelves of toys and a chalkboard with drawings.
<i>Science-U@ Home</i>	<p>Title: Oobleck</p> <p>Explore, oobleck, a Non-Newtonian fluid or solution that changes its state of matter under pressure! It's easy to make and super fun to play with. Try it!</p> <p>https://science-u.org/experiments/oobleck.html</p>	 A close-up shot of several hands playing with a thick, white, gooey substance called oobleck. The substance is being stretched and pulled, showing its unique properties. The background is slightly blurred, showing what appears to be a table or a play area.


Grades 3-5

<p><i>Weekly Activity</i></p>	<p>Title: Forces of Gravity</p> <p>In this interactive, student driven lesson, students watch videos about gravity and investigate the motion of falling objects on Earth and on the Moon.</p> <p>https://wpsu.pbslearningmedia.org/resource/midlit11.sci.splgrav/forces-of-gravity-and-air-resistance/</p>	 A close-up photograph of a small, light-colored frog sitting on a dark, wet rock. The frog is facing right, and its body is slightly hunched. The background is dark and out of focus.
<p><i>Science-U@ Home</i></p>	<p>Title: Energy Carousel</p> <p>Have you ever ridden on a carousel or merry-go-round at an amusement park? Usually, these rides are powered by electricity, but you can make your own carousel toy while exploring some basic energy concepts.</p> <p>https://science-u.org/experiments/energy-carousel.html</p>	 A hand is shown holding a white paper carousel. The carousel is a cylinder with a green horse cutout on the side. A dashed line indicates where to fold. Another hand is holding a similar carousel with an orange horse cutout.

Grades 6-12

<p><i>Weekly Activity</i></p>	<p>Title: Invent Apps to Help Others</p> <p>Learn how new apps are improving the lives of people with a disability or illness and helping to raise empathy. Then, use your knowledge of the invention process to design your own app which addresses a problem facing your school or community.</p> <p>https://wpsu.pbslearningmedia.org/resource/ilnewsh18-sci-ilinvention/invent-apps-that-help-others-and-build-empathy/</p>	
<p><i>Science-U@Home</i></p>	<p>Title: Pull Back Cars</p> <p>Pull back vehicles use springs to store energy. When the vehicle is released, the energy stored in the spring moves the vehicle forward. Can you make any toy vehicle into a pull back vehicle?</p> <p>https://science-u.org/experiments/pull-back-cars.html</p>	

Parents

<p><i>For Social Media</i></p>	<p>Title: Use the Superpowers of Science to Play and Learn</p> <p>The Superpowers of Science help kids play with science and practice science. You don't have to know the answers about why things work the way they do. Just investigate with your child, let them ask questions, test out</p>	
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their ideas and find out what happens! That's it — you're using the Superpowers of Science!

<https://www.pbs.org/parents/thive/use-the-superpowers-of-science-to-play-and-learn>