



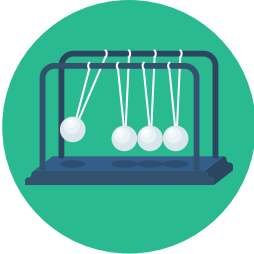



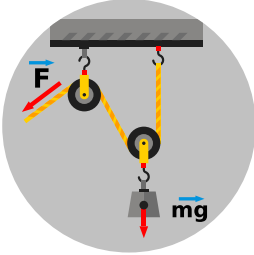
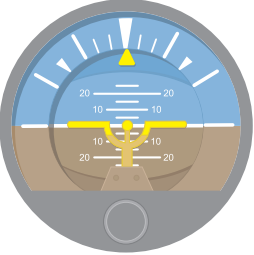

# STEM VIRTUAL SUMMER PASSPORT ACTIVITIES

**Fridays at 11:00 am**  
**July 10th to August 21st, 2020**

This year, we are going virtual for our **STEM Summer Passport Program**. Each Friday, our education team will stream programming on Facebook Live—allowing students of all ages to participate in our easy, unique STEM experiments from home! Dates and lessons listed below, and the link to program streaming is: [www.facebook.com/HillAerospaceMuseum](http://www.facebook.com/HillAerospaceMuseum).

This program requires a specialized passport, so participants may visit the museum airpark Fridays between 1PM and 3PM to get this product and have it stamped by education staff as classes are completed. Those wishing to avoid contact may download the passport and instructions on our website at: [www.aerospaceutah.org/education/stem-summer-passport](http://www.aerospaceutah.org/education/stem-summer-passport).

After students have participated in all virtual activities, they can visit the museum airpark on Friday during the aforementioned hours to receive a special Air Force pin and graduation certificate.

<p><b>WEEK 1</b> July 10th</p>  <p><b>Energy Works!</b></p> <p>Learn about potential and kinetic energy, and how to generate hydro-mechanic power!</p> <p><i>Materials: bowl, cup of water, fidget spinner</i></p>	<p><b>WEEK 2</b> July 17th</p>  <p><b>Magnetics</b></p> <p>Discover why opposites attract, and how to find the earth's natural magnets in your own food!</p> <p><i>Materials: strong magnet, box of your favorite cereal, Ziploc bag, plastic cup, water</i></p>	<p><b>WEEK 3</b> July 24th</p>  <p><b>Electricity</b></p> <p>Find out where electricity comes from and how we use it with a literally hair-raising experiment!</p> <p><i>Materials: Balloon, metal utensil or other metal rod</i></p>	<p><b>WEEK 4</b> July 31st</p>  <p><b>Weather</b></p> <p>Learn about different weather phenomena and create your own cloud in a bottle!</p> <p><i>Materials: rubbing alcohol, plastic bottle, bike pump</i></p>
<p><b>WEEK 5</b> August 7th</p>  <p><b>Newton's Laws</b></p> <p>Learn the relationship between the application force and motion, then make your own vortex generator!</p> <p><i>Materials: plastic cup, balloon, rubber band, scissors</i></p>	<p><b>WEEK 6</b> August 14th</p>  <p><b>Forces of Flight</b></p> <p>Discuss the forces of flight including thrust, drag, lift, and weight, then make objects fly using the magnus effect!</p> <p><i>Materials: two plastic or paper cups, three rubber bands, tape</i></p>	<p><b>WEEK 7</b> August 21st</p>  <p><b>Rockets</b></p> <p>Launch your new school year with a brief lesson about rockets and make your own Alka Seltzer-powered rocket!</p> <p><i>Materials: Film canister, paper or index cards, tape, scissors, Alka Seltzer tablet, paper towels</i></p>	<p>More opportunities for in-house lessons at the museum may become available as social distancing restrictions change. Contact: <a href="mailto:education@aerospaceutah.org">education@aerospaceutah.org</a>, or call (801) 775-3497 for more information.</p> <p><b>Follow us on social media</b></p> 