

**RPS STEM Academies: Henderson Middle School**  
**Check out our school website for live links for each day!**

<https://www.rvaschools.net/hms>

**July 2021**

**31 Days of STEM Challenge**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>Grow your own bean in a jar!</p> <p><a href="https://www.science-sparks.com/bean-in-a-jar/">https://www.science-sparks.com/bean-in-a-jar/</a></p>	<p>Practice Coding using <a href="https://scratch.mit.edu/">Scratch</a> or <a href="https://code.org/">code.org</a></p>	<p>Build the tallest spaghetti tower</p> <p><a href="#">Spaghetti Tower</a></p> <p>Or Google Spaghetti tower for more info!</p>	<p>Read a book about STEM at the Lit Limo</p> <p><a href="https://docs.google.com/document/d/1he2ZGP-A2QSlzCJgAGv5lWb42UXAhxizdFUPABOB61M/edit?usp=sharing">https://docs.google.com/document/d/1he2ZGP-A2QSlzCJgAGv5lWb42UXAhxizdFUPABOB61M/edit?usp=sharing</a></p>	<p>Research a STEM career that you may be interested in</p>	<p>Growing gummy bears experiment!</p> <p><a href="https://www.playdoughto Plato.com/growing-gummy-bear-science/">https://www.playdoughto Plato.com/growing-gummy-bear-science/</a></p>	<p>Capillary Action! Add a celery stalk to water and food coloring and watch what happens!</p>
<p>Make a volcano using an orange!</p> <p><a href="https://www.heartkitblog.com/orange-volcanoes-fun-science-experiment-kids-using-simple-ingredients/">https://www.heartkitblog.com/orange-volcanoes-fun-science-experiment-kids-using-simple-ingredients/</a></p>	<p>Make a Rain Cloud in a Jar using shaving cream</p> <p><a href="https://www.funwithmama.com/rain-cloud-in-a-jar/">https://www.funwithmama.com/rain-cloud-in-a-jar/</a></p>	<p>Is your bag leak proof? Try the leak proof bag experiment!</p> <p><a href="https://funlearningforkids.com/leak-proof-bag-science-experiment-kids/">https://funlearningforkids.com/leak-proof-bag-science-experiment-kids/</a></p>	<p>Can you dissolve the eggshell of a raw egg?</p> <p><a href="https://gosciencekids.com/dissolving-eggshell-experiment/">https://gosciencekids.com/dissolving-eggshell-experiment/</a></p>	<p>Create your own fireworks with oil and water!</p> <p><a href="https://gosciencekids.com/fireworks-science-kids-oil-water-density/">https://gosciencekids.com/fireworks-science-kids-oil-water-density/</a></p>	<p>Research a STEM historical figure!</p>	<p>Magic Pepper Sinker-Understand the importance of handwashing using pepper and water!</p> <p><a href="https://www.education.com/science-fair/article/pepper-and-soap-experiment/">https://www.education.com/science-fair/article/pepper-and-soap-experiment/</a></p>

<p>Make your own ooey gooey oobleck!</p> <p><a href="https://www.instructables.com/Oobleck/">https://www.instructables.com/Oobleck/</a></p>	<p>Can water walk? Try the walking water rainbow experiment</p> <p><a href="https://thesteinlaboratory.com/walking-water-rainbow/">https://thesteinlaboratory.com/walking-water-rainbow/</a></p>	<p>Will it Sink or Float? Try this experiment at home and see!</p> <p><a href="https://happyhooligans.ca/sink-or-float-experiment-pr-eschoolers/">https://happyhooligans.ca/sink-or-float-experiment-pr-eschoolers/</a></p>	<p>Is milk really magical? Try it out and see!</p> <p><a href="https://littlebinsforlittlehands.com/magic-milk-a-classic-science-experiment-for-kids/">https://littlebinsforlittlehands.com/magic-milk-a-classic-science-experiment-for-kids/</a></p>	<p>Build a model city with things around your house</p>	<p>Make a Marshmallow Catapult and see how far they go!</p> <p><a href="https://mommypoppins.com/weework-kids-activities-marshmallow-catapult">https://mommypoppins.com/weework-kids-activities-marshmallow-catapult</a></p>	<p>Elephant toothpaste anyone? Try this experiment!</p> <p><a href="https://www.scholastic.com/parents/kids-activities-and-printables/activities-for-kids/math-and-science-ideas/home-science-experiments/elephant-toothpaste.html">https://www.scholastic.com/parents/kids-activities-and-printables/activities-for-kids/math-and-science-ideas/home-science-experiments/elephant-toothpaste.html</a></p>
<p>Build a car with toilet paper rolls and toothpicks-It has to be able to roll!</p>	<p>Soda Explosion Using diet coke and mentos!</p> <p><a href="https://www.sciencekids.co.nz/experiments/dietcoke-mentos.html">https://www.sciencekids.co.nz/experiments/dietcoke-mentos.html</a></p>	<p>Which liquid will clean pennies the best?</p> <p><a href="https://www.highlights.com/parents/family-activities/what-cleans-old-penny">https://www.highlights.com/parents/family-activities/what-cleans-old-penny</a></p>	<p>Make soap silly putty</p> <p><a href="https://mommypoppins.com/kids/boredom-busters/science-experiments-at-home-make-soap-silly-putty">https://mommypoppins.com/kids/boredom-busters/science-experiments-at-home-make-soap-silly-putty</a></p>	<p>Model the phases of the Water Cycle using a ziploc bag</p> <p><a href="https://www.playdoughtoplato.com/water-cycle-bag/">https://www.playdoughtoplato.com/water-cycle-bag/</a></p>	<p>Gone Fishing! Go fishing for ice with this experiment.</p> <p><a href="https://www.playdoughtoplato.com/sticky-ice-science-exp/">https://www.playdoughtoplato.com/sticky-ice-science-exp/</a></p>	<p>Catch the Rainbow! Make your own rainbow in a jar</p> <p><a href="https://www.playdoughtoplato.com/rainbow-jar/">https://www.playdoughtoplato.com/rainbow-jar/</a></p>
						