



Science Saturday with 3rd to 6th Graders

March 27, 2021 Follow Separate Zoom links for each Topic






Greetings Sci Fest registered participants! We are looking forward to having you join the Randolph College education students (SciFest Wizards) for fun STEM activities designed especially for you! PLEASE keep your bag ready to use on Saturday! Each zoom activity includes a kit that is in your science festival bag. Please match the kit photo to the Zoom link topic organized below. You



might need extra supplies as noted. Science Safety: Only the microwave popcorn and fruit chews are edible. There are small parts that might need assistance by an adult and are *NOT* appropriate for children under 3rd grade. You will need access to a computer or Chromebook to participate. Each activity has a separate zoom link sent to the adult who registered the child.

Join when you can during Science Saturday! At 2:00 p.m. we will all Zoom together for the Science Cafe - sharing posted projects or other STEM related projects you are creating. Science Saturday is a public event and the sessions will be recorded but will not be published.

Zoom Time/Topic	Sci Fest Kit Photo	Extra Supplies you might need	Video
9:00 a.m. <i>What's Up with Motion? On Earth & Mars</i>		<p>You will need Scissors, a paper cup or colored paper, a straw to cover the axle, and markers.</p> <p>Access to a phone timer along with your measuring tape found in the seed germination kit will be helpful when you collect data!</p> <p>(note you only need 4 wheels)</p>	<p>https://www.youtube.com/watch?v=ogac7IAvd1E</p> <p>https://www.youtube.com/watch?v=TxhuUUiXOJk</p>
10:00 a.m. <i>Water.. Water.. How does it move?</i>		<p>You will need a Plastic pitcher or tupperware container and tap water.</p> <p>Science Safety: Make sure you have a space that is separate from your computer!</p>	<p>https://www.youtube.com/watch?app=desktop&v=UdWAqICngOA&feature=youtu.be</p> <p>https://www.youtube.com/watch?v=ACTplSa_Z2Y</p>

<p>11:00 a.m. <i>Bounce..Bounce..</i> <i>Or</i> <i>How do we transport a dinosaur?</i></p>		<p>Use the small ball from another kit and compare how the balls bounce. (recorded video)</p> <p>Your kit has three sizes of mylar to make your parachute. Listen to the SciFest Wizards for some ideas!</p>	<p>https://www.youtube.com/watch?app=desktop&v=QggdnTsPUMY&feature=youtu.be</p>
<p><i>Take a BREAK</i></p>		<p>We included equipment for you to explore the outdoors whenever you like!</p> <p>Bubble wand, magnifying glass, collecting jar, safety glasses</p>	
<p>1:00 p.m. <i>Choice</i> <i>Make a Rube Goldberg Machine or</i> <i>Start a Germination Project</i></p>		<p>If you make a Rube Goldberg Machine, you might want to have recycled tubes, dominoes, playing cards, string and tape(from the kit), cereal or shoebox.</p> <p>Bottled water for germination project (tap water with chlorine is not recommended.)</p>	<p>https://www.youtube.com/watch?app=desktop&v=CZlbYer14Zg&feature=youtu.be</p>
<p>2:00 p.m. <i>Science Cafe</i> <i>Share your Projects!</i> <i>Let's count our popped corn!</i></p>		<p>Science Safety: Make sure you have an adult helping you use the microwave. Have a measuring cup available for this group activity.</p> <p>Make sure you post one or more of your SciFest Wizard projects so you can share with others!</p>	<p>https://www.youtube.com/watch?app=desktop&v=1nStOZg-sMA&feature=youtu.be</p> <p>https://www.youtube.com/watch?app=desktop&v=1nStOZg-sMA&feature=youtu.be</p>

			com/watch?v=E7jNVfvrris
3:00 p.m. 5th - 6th graders!	Special Session about how to use your kits to design your own experiments for the Regional Science Fair.	Central VA <i>Virtual</i> /Regional Science Fair Registration with your science teacher April 1-15th Projects due April 28th <i>Virtual</i> Judging May 3-7th <i>Virtual</i> Awards May 12th	

<http://randolphscience.org/scifest/>

Note: The instructions for this kit are posted on the Sci Fest

Website: Science Activity Video: The Chemistry of Ooblek!



There is an additional pH Color Activity for this age group posted at the SciFest website. Go to the SciFest site above, and scroll down to Science Day for 3rd-6th Graders.