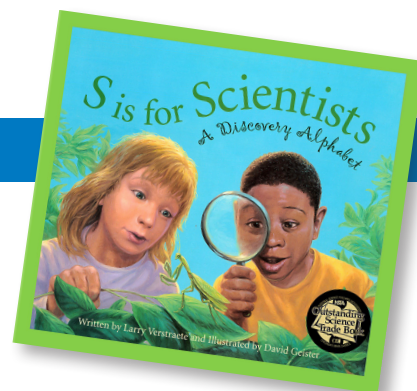


S is for Scientists

RIF EXTENSION ACTIVITIES FOR EDUCATORS



THINK-TAC-TOE ACTIVITY OPTIONS

- ◆ Individual students can choose an activity to complete.
- ◆ Student pairs or cooperative groups can work together on a choice of their own.
- ◆ Educator can assign an activity for an individual, pairs, or groups.

<p>ALPHANUMERIC</p> <p>There are 26 letters in the English alphabet. Is that a lot? <i>Hypothesize</i> how this number compares to other languages. <i>Gather</i> information on 5-10 other alphabets. <i>Record</i> and <i>compare</i> the results. <i>Demonstrate</i> your findings with a chart or graph. Did you <i>prove</i> your hypothesis?</p> <p><i>Math, Social Studies, Science</i></p>	<p>THE WRIGHT WING</p> <p>The Wright brothers' quest to design the perfect wing helped them understand aerodynamics. Make at least 3 paper airplanes with the same body but different wing designs. Test your planes. Which wing made the plane glide the longest? Record, analyze, and graph your data. Present your findings in a PowerPoint.</p> <p><i>Technology, Science, Writing, Engineering</i></p>	<p>PERU-SING MACHU PICCHU</p> <p>Locate the city of Machu Picchu on a map of Peru. Research the city, the area around it, and the path leading to it. Make a travel brochure with facts about Machu Picchu and the journey up. Then explore this 3D model of Machu Picchu as it would have been: www.youtube.com/watch?v=YI6M9LC4Pn0.</p> <p><i>Science, Technology, Art, Writing</i></p>
<p>A MATTER OF SCALES</p> <p>The Fujita Scale was revised in 2007: www.numericana.com/answer/scales.htm#fujita. Compare the old and new scales. Which seems more practical? Make a table and graph of the strongest tornadoes in the US since 2007. Using www.google.com/maps, map the tornadoes closest to your area. How strong were they?</p> <p><i>Math, Science, Technology</i></p>	<p>S IS FOR SCIENTISTS</p> <p>List all the different scientists featured in this book and the sciences they studied (e.g., biology, botany, etc.). Make an illustrated <i>glossary</i> of all the different fields of study in science the book mentions. How many different kinds of scientist do you think there are?</p> <p><i>Writing, Social Studies, Science</i></p>	<p>(RED) LETTER DAY</p> <p>Make a list of the action words used in this book from A to Z. Write a story or draw a comic strip about a day in the life of one of the scientists from the book that uses as many of the words as possible. See if you can get all 26!</p> <p><i>Art, Writing, Social Studies</i></p>
<p>TURN UP THE VOLUME</p> <p>Archimedes discovered that you can measure an object's <i>volume</i> by putting it in water. Drop 5 small objects into a graduated jug or cylinder filled with water. Find the volume of each object by measuring how much the water rises each time. Graph the objects' volumes.</p> <p><i>Math, Social Studies, Science</i></p>	<p>EXTRA! EXTRA!</p> <p>You're the editor of the local paper. The top story is that one of the scientists from the book is coming to your town. Who's coming? When? Why? Make the front page! Create a catchy headline, write an informative article about the visit, and add a picture to grab reader interest.</p> <p><i>Writing, Art, Social Studies, Science</i></p>	<p>THE MIGHTY THOR</p> <p>Pretend you're a reporter interviewing Thor Heyerdahl after his trip to Polynesia. Research Thor's journey and write questions and answers based on what you find. Find a partner to play Thor and present your interview in front of the class.</p> <p><i>Writing, Social Studies, Science</i></p>