



# STEM FAMILY ACTIVITIES

for independent learning

## MOON GAZING



Activity:	Optional Technology Connections:
<p>1. Have you ever seen the moon during the day? Go outside during the day and see if you can find it. What did you notice? What do you wonder?</p>	<p>Watch the story based on the book "Papa, Please Get the Moon for Me" <a href="http://tinyurl.com/getthemoon">tinyurl.com/getthemoon</a></p> 
<p>2. It's time to make moon observations. On a blank piece of paper, make a chart to keep track of the shape of the moon. (The shape of the moon is really just the part of the moon that is illuminated by the sun.) Make observations every night for 4 weeks and draw what you see in your data chart. If you don't see the moon at night, you might have to find the moon during the day!</p>	<p>Print out a moon journal to keep track of your nightly observations. <a href="http://tinyurl.com/moonjournal2">tinyurl.com/moonjournal2</a></p> 
<p>3. What patterns did you notice as you observed the shape of the moon over the last 4 weeks? Why do you think the amount of moon that is illuminated changes over time? Hint: The moon travels around the Earth one time every 27 days.</p>	<p>Why does the moon look like it's changing shape? Find out more by watching this video: <a href="http://tinyurl.com/whyphases">tinyurl.com/whyphases</a></p> 
<p>4. The moon is almost 239,000 miles from the Earth! It takes a spacecraft about 3 days to reach the moon. What do you think it would be like to travel to the moon? What would you see on the moon? What do you think the Earth would look like from the moon? What questions do you have about the moon?</p>	<p>Using paper and string, engineer a rocket ship to travel to the moon. For directions, go to <a href="http://tinyurl.com/engineer rocket">tinyurl.com/engineer rocket</a></p> 

Optional: Go to this link to print a "STEM journal" to record your observations and questions.  
[tinyurl.com/STEMjournal10](http://tinyurl.com/STEMjournal10)



fresno county  
superintendent of schools

For more resources or support, contact  
Jon Dueck, FCSS STEM Direction – [jdueck@fcoe.org](mailto:jdueck@fcoe.org)  
or visit our website: [stem.fcoe.org](http://stem.fcoe.org)