

Science Mystery Investigations

Books used:

One Minute Mysteries: 65 Short Mysteries You Solve With Science!

One Minute Mysteries: 65 More Short Mysteries You Solve With Science!

Title/Book/ Page	Description	Materials
<p><i>Classified Information</i> (65 SSM) P. 17</p>	<p>Who’s pretending to be a zookeeper?</p> <p>Teachers/students will observe and record observations of each of the beans in their notebooks. Teachers/students will draw a diagram including labels whenever possible in notebooks displaying their observations. Can you identify the beans by their characteristics?</p> <p>Find a way to categorize the beans.</p> <p>What does Valerie know? What’s the evidence?</p>	<p>Beans (5 bags of dried beans) Hand held magnifiers Cardboard Tray</p>
<p><i>Bear Scare</i> (65 SSM) P.21</p>	<p>Who is correct, Elizabeth or Mrs. Coyle?</p> <p>Draw a diagram in the scientist notebook to model what is happening in the mystery. Then complete the following claims, evidence and reasoning statement in notebooks. “I think _____ is correct because _____ . My evidence is _____.”</p>	

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<p><i>Stars in Their Eyes</i> (65 SSM) P. 57</p>	<p>Who is correct Xavier, Paul, Bradley, or Nicholas?</p> <p>Teachers or Students will use evidence from the books provided to write the following claims, evidence and reasoning statement in notebooks. I think _____ is correct because _____ . My evidence is _____ .</p> <p>Teachers or students may draw a diagram in the scientist notebook to model what is happening in the mystery.</p>	<p><i>The Sun is My Favorite Star</i> by Frank Asch</p>
		<p><i>The Sun is Our Nearest Star</i> by Franklyn Branley</p>
		<p>Copy of <i>Star in their Eyes</i></p>
<p><i>Double Dealing</i> (65 SSM) P.87</p>	<p>How can we tell Marlana from Sherry?</p> <p>Participants will use the materials provided, try to solve and explain. One member of the team will mark their left cheek. The other member will mark their right cheek. Draw a diagram in the scientist notebook to model what is happening in the mystery. Write a sentence explaining your thinking.</p>	<p>Flashlight</p>
		<p>Mirrors</p>
		<p>Rouge/stickers</p>

<p><i>Hearing Aide</i> (65 SSM) P. 97</p>	<p>Who tapped the glass with a spoon?</p> <p>Teachers or students will tap glasses with different amounts of water with the teaspoon, one at a time and listen carefully. Draw a picture (model) in your notebook or write in your notebook what you think is happening. Is it different when you use a pencil?</p>	4 glasses (identical)
		Wooden pencils
		Water
<p><i>Powerful Argument</i> (65 SSM) P. 125</p>	<p>How will Jeremy, Vishal and Aiden finish their assignment before class?</p> <p>Teachers and students will work on this problem using the materials provided. Students write an explanation of what they might do to get a good grade.</p>	Clay
		Aluminum foil
		Paper towel
<p><i>Lights Out</i> (65 SSM) P. 129</p>	<p>What did Nicole do to convince her mother that the lights had been turned off?</p> <p>Teachers and Students will light the bulb(s) using the battery, bulb, and wire. They will be able to solve the mystery. In the notebooks, participants will draw what worked and what didn't work. Complete the following frame in the notebook, "Nicole will_____ to convince her Mom. This will work because_____."</p>	D cells
		Wire/Alligator Clips
		Bulb Holder
		Battery Holder

<p><i>Salad Days</i> (65 SSM) P. 131</p>	<p>Hmm. How will Devin figure out whether the salad has an oil and vinegar dressing?</p> <p>Use the materials provided to see if you can solve the problem.</p>	Oil
		Water
		Vinegar
		Bowl, Container for dressing, Tongs for removing lettuce
<p><i>Life Line</i> (65 MSSM) P. 39</p>	<p>Who is Peanut? What animal does Grandma want to find?</p> <p>Explore the resources provided to identify Peanut.</p> <p>What other animals live long lives? Record in the notebook.</p>	http://goo.gl/kHqQBD
		http://goo.gl/4VnS0w
		Computer, iPad
<p><i>Order in the Courtyard</i> (65 MSSM) P. 41</p>	<p>Fish or Frog? Who is correct Jayla or Carly?</p> <p>Participants will explore the resources to solve the mystery.</p>	<i>From Tadpoles to Frogs</i> (book)
		http://goo.gl/RnFt5B
		http://www.kidzone.ws/animals/lifecycle.htm
		Frog Life Cycle Stage Set
<p><i>Don't Rain on My Parade</i> (65 MSSM) P. 65</p>	<p>Who is correct Julissa or Jamal?</p> <p>Draw picture in your notebook with "serious" clouds. Label your diagram and explain your thinking.</p>	http://goo.gl/QRVFN3 (Teacher resource)
		http://goo.gl/5tBN9c
		Weather books