

## Unit 1 - Force & Motion

### Pacing Guide using Mystery Science

Day	Lesson	Activities	Approximate Time
1	<p><b><u>Mystery Science: Invisible Forces</u></b> Balanced &amp; Unbalanced Forces</p> <p><a href="#">Lesson 1</a>: How could you win a tug-of-war against a bunch of adults?</p>	<p>1. Mystery Science Exploration Video</p> <p>2. Review of Lesson (<a href="#">Google Form</a>)</p>	<p>Exploration Video - 20 minutes</p> <p>Google Form - 10 minutes</p>
2	<p><b><u>Mystery Science: Invisible Forces</u></b> Balanced &amp; Unbalanced Forces</p> <p><a href="#">Lesson 1</a>: How could you win a tug-of-war against a bunch of adults?</p>	<p>1. Mystery Science Hands on Activity: Students will prepare all materials for activity.</p> <p>2. Online Book about Forces <a href="#">Give it a Push! Give it a Pull!</a></p>	<p>Student Preparation - 20 minutes</p> <p>Book - 10 minutes</p>
3	<p><b><u>Mystery Science: Invisible Forces</u></b> Balanced &amp; Unbalanced Forces</p> <p><a href="#">Lesson 1</a>: How could you win a tug-of-war against a bunch of adults?</p>	<p>1. Mystery Science Hands on Activity: Students will complete activity</p>	<p>Hands On Activity - 30+ minutes</p>
4	<p><b><u>Mystery Science: Invisible Forces</u></b> Balanced &amp; Unbalanced Forces</p> <p><a href="#">Lesson 1</a>: How could you win a tug-of-war against a bunch of adults?</p>	<p>1. Mystery Science Hands on Activity: Students will complete activity</p> <p>2. Finish Review (<a href="#">Google Form</a>)</p>	<p>Finish Hands on Activity</p> <p>Finish Review</p>

5	<p><b><u>Mystery Science: Invisible Forces</u></b> Balanced Forces &amp; Engineering</p> <p><a href="#">Lesson 2</a>: What makes bridges so strong?</p>	<ol style="list-style-type: none"> <li>1. Mystery Science Exploration Video</li> <li>2. Review of Lesson (<a href="#">Google Form</a>)</li> </ol>	<p>Exploration Video - 22 minutes</p> <p>Google Form - 10 minutes</p>
6	<p><b><u>Mystery Science: Invisible Forces</u></b> Balanced Forces &amp; Engineering</p> <p><a href="#">Lesson 2</a>: What makes bridges so strong?</p>	<ol style="list-style-type: none"> <li>1. Mystery Science Hands on Activity: Students will complete activity</li> </ol>	<p>Hands On Activity - 30 minutes</p>
7	<p><b><u>Mystery Science: Invisible Forces</u></b> Balanced Forces &amp; Engineering</p> <p><a href="#">Lesson 2</a>: What makes bridges so strong?</p>	<ol style="list-style-type: none"> <li>1. Finish Mystery Science Hands on Activity</li> <li>2. Finish Review (<a href="#">Google Form</a>)</li> </ol>	<p>Finish Hands on Activity</p> <p>Finish Google Form</p>
8	<p><b><u>Mystery Science: Invisible Forces</u></b> Friction &amp; Pattern of Motion</p> <p><a href="#">Lesson 3</a>: How can you go faster down a slide?</p>	<ol style="list-style-type: none"> <li>1. Mystery Science Exploration Video</li> <li>2. Review of Lesson (<a href="#">Google Form</a>)</li> </ol>	<p>Exploration Video - 15 minutes</p> <p>Google Form - 15 minutes</p>
9	<p><b><u>Mystery Science: Invisible Forces</u></b> Friction &amp; Pattern of Motion</p> <p><a href="#">Lesson 3</a>: How can you go faster down a slide?</p>	<ol style="list-style-type: none"> <li>1. Mystery Science Hands on Activity: Students will complete activity</li> </ol>	<p>Hands on Activity - 30 minutes (<a href="#">Google Slides Worksheet</a>)</p>
10	<p><b><u>Mystery Science: Invisible Forces</u></b> Friction &amp; Pattern of Motion</p> <p><a href="#">Lesson 3</a>: How can you go faster down a slide?</p>	<ol style="list-style-type: none"> <li>1. Mystery Science Hands on Activity Continued: Students will finish activity from day before</li> <li>2. Mystery Science Wrap-Up</li> </ol>	<p>Hands On Activity ~25 minutes (<a href="#">Google Slides Worksheet</a>)</p> <p>Wrap-Up - 5 minutes</p>