

















Forces: Fabulous Forces

<p>Aim: To explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object by identifying forces acting on objects.</p>	<p>Success Criteria: I can identify forces as pushes and pulls. I can identify and explain the different forces acting on objects.</p>	<p>Resources: Lesson Pack Highlighters or crayons</p>
<p>To identify the effects of air resistance, water resistance and friction by identifying forces acting on objects.</p> <p>To identify forces acting on objects.</p>	<p>Key/New Words: Force, push, pull, gravity, air resistance, water resistance, friction.</p>	<p>Preparation: Identifying Forces Bingo Board - one per child Talk about Forces Activity Sheet - one per pair Forces in Action Activity Sheet - one per child Force Cards - cut up and shuffled Forces Word Mat - as required</p>

Prior Learning: It will be helpful if children have studied forces in year 3.

Learning Sequence

	<p>What Are Forces? Children identify the pictures on the Lesson Presentation as pushes or pulls. Discuss their ideas. Explain how forces affect the movement of an object and discuss the different types of force as shown on the Lesson Presentation. <i>Can children identify forces as pushes and pulls?</i></p>	
	<p>Identifying Forces: Children use one of the differentiated Identifying Forces Bingo Boards to play a form of bingo as described on the Lesson Presentation. Read out a Force Card for children to fill in on their bingo board. <i>Can children identify the different forces at work in the images?</i></p> <p>  Children use the initial letters of forces provided.  Children refer to the opposing forces provided as a prompt.  Children complete the blank labels on the diagrams. </p>	
	<p>Talk about Forces: Ask pairs to read the story on the Talk about Forces Activity Sheet together and to highlight or underline examples of forces in the story. In the next column, they should then briefly explain the forces that are being applied in each example. <i>Can children identify and explain together the different forces acting on objects?</i></p>	
	<p>Forces in Action: Children complete the Forces in Action Activity Sheet by identifying the forces and drawing arrows to show the direction in which they apply a force. <i>Can children identify and explain the different forces acting on objects?</i></p> <p>  Children use the initial letters of forces provided.  Children refer to the opposing forces provided as a prompt.  Children complete the blank labels on the diagrams. </p>	
	<p>Force Examples: Children share their own examples of forces acting on objects and discuss with a partner. <i>Can children reflect on whether they can identify and explain the different forces acting on objects?</i></p>	

Taskit

- Displayit:** Use props to act out an example of forces acting on an object. Take photos and print them out. Draw arrows on the photos and add captions to explain the forces. Use the photos and captions to make an eye-catching forces display!
- Posterit:** Make a poster showing the different types of forces explored in the lesson.
- Writeit:** Write a story like the one in the [Talk about Forces Activity Sheet](#) in this lesson, including different forces acting on objects.