

Guide to making judgments — Year 6 Science

Name

Focus: Design, carry out and interpret scientific investigations relating to forces and motion.

Knowledge and understanding	Investigating	Communicating	Reflecting
<p>Demonstrates understanding of how forces affect the motion of objects.</p> <p>Questions 2 (Explain), 4, 6b, 7</p>	<p>Collects and interprets data to draw scientific conclusions.</p> <p>Identifies elements of a fair test, including variables to be changed or controlled, when planning and analysing investigations.</p> <p>Questions 1–3, 5, 6, 8, 9a</p>	<p>Uses scientific terminology and annotated diagrams to communicate ideas, data, and evidence.</p> <p>All questions, but specifically — Scientific terminology: Questions 2, 4, 6, 7 Diagrams: Questions 4a, 7b</p>	<p>Reflects on learning to apply understanding to new contexts.</p> <p>Questions 6c, 7, 9</p>
<p>◀ Explains the role of opposing or supporting forces in changing the motion of objects.</p> <p>◀ Makes detailed, accurate descriptions of the action and direction of forces on objects.</p> <p>◀ Links forces to different contexts.</p> <p>◀ Describes the action of forces.</p> <p>◀ Identifies forces.</p>	<p>◀ Uses data and scientific concepts to justify conclusions. Explains how variables are controlled. Designs a scientifically valid investigation.</p> <p>◀ Accurately collects and records data. Links findings to relevant scientific concepts.</p> <p>◀ Links findings to evidence. Identifies relevant variables. Designs an investigation with elements of a fair test.</p> <p>◀ Plans an investigation.</p> <p>◀ Records data.</p>	<p>◀ Clearly conveys meaning and uses precise scientific terminology in annotated diagrams, conclusions and explanations.</p> <p>◀ Uses scientific terminology appropriately in explanations and conclusions.</p> <p>◀ Clearly and accurately presents information in diagrams and tables.</p> <p>◀ Uses everyday language and rudimentary diagrams.</p>	<p>◀ Provide a justified explanation of the importance of fair tests in science.</p> <p>◀ Explains how new learning about forces, motion and fair tests applies to a new context.</p> <p>◀ Refines procedure by applying learning from investigation.</p> <p>◀ Identifies science learning relevant to new contexts.</p> <p>◀ Recounts procedures followed.</p>
			<p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>E</p>

Feedback

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