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| **Lesson 1** | **Lesson 2** | **Lesson 3** | **Lesson 4** | **Lesson 5** |
| **Learning Objectives**  |  |
| I can identify forces acting on objects | I can explore the effect that gravity has on objects and how the first theory of gravity was developed. | I can investigate the effects of air resistance. | I can explore the effects of water resistance | I can explore and design mechanisms |
| **Knowledge Goals**Identify forces as pushes and pulls.Identify and explain the different forces Acting on objects. | **Knowledge Goals**Explain the effect of gravity on unsupported objects.Explain Isaac Newton’s role in developing a theory of gravity.Accurately measure the force of gravity pulling on objects. | **Knowledge Goals**Explain how air resistance affects moving objects.Plan and conduct an investigation into the effects of air resistance.**Scientific Skills**choose the most appropriate equipment to make measurements and explain how to use it accurately;take measurements using a range of scientific equipment with increasing accuracy and precision;know the importance of taking repeat readings and take repeat readings where appropriate | **Knowledge Goals**Explain the effects of water resistance.Identify streamlined shapes.Minimise the effects of water resistance on an object.**Scientific Skills**choose the most appropriate equipment to make measurements and explain how to use it accurately; | **Knowledge Goals**Explain how different mechanisms work.Investigate a simple mechanism.Design my own mechanism for a given purpose. |