

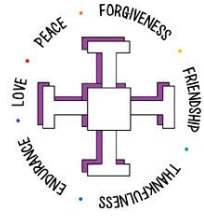
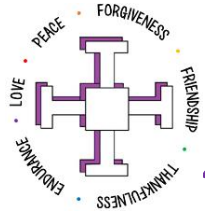


Christ Church CE Primary School
Science Assessment

'Train up a child in the way they should go and when they are old, they will not depart from it.'
Proverbs 22:6

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| <p>Upper KS 2 Y5/6</p> | <p>Unit: Forces</p> <p>Objective:</p> <p>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.</p> <p>Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.</p> <p>Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</p> | |
| <p align="center">Core Curriculum Content:</p> | | |
| <p>Knowledge and understanding</p> | <p>Expected</p> <p>Explain that gravity causes objects to fall towards Earth.</p> <p>Describe how motion may be resisted by air resistance, water resistance or friction.</p> <p>Describe how some devices may turn a smaller force into a larger one.</p> | |
| <p>Pupils</p> | | |
| <p>Knowledge and understanding</p> | <p>Working Towards</p> <p>Describe the effect of gravity on unsupported objects.</p> <p>Recognise that motion may be resisted by forces.</p> <p>Recognise that simple machines transfer force.</p> | <p>Greater Depth</p> <p>Recognise that gravity acts between all masses, e.g. the Sun and the Earth.</p> <p>Identify ways in which forces that oppose motion may be useful (e.g. bicycle handlebar grips) or a nuisance (e.g. bicycle chain).</p> <p>Explain, with reference to everyday contexts, why a force multiplier might be useful.</p> |





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| Pupils | | |
| <p><i>Pupils with additional needs have made the following responses</i></p> <p><i>Describe the effect of gravity on unsupported objects, with help.</i></p> <p><i>Beginning to recognise that motion may be resisted by forces.</i></p> <p><i>Beginning to recognise that simple machines transfer force.</i></p> | | |