

Year 3 Spring 2
STEM challenge (science investigators)

| Week | NC objectives | REMEMBER (prior knowledge) | KNOW (new knowledge) |
|----------------------------|--|---|--|
| 1 2 3 4 5 6 | <ul style="list-style-type: none"> • using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions • identifying differences, similarities or changes related to simple scientific ideas and processes • notice that some forces need contact between two objects • setting up simple practical enquiries, comparative and fair tests • compare how things move on different surfaces <p>asking relevant questions and using different types of scientific enquiries to answer them</p> <p>LO: to make predictions based on prior scientific understanding</p> <p>LO: investigate different forms of self-propulsion</p> <p>LO: investigate variables within a design</p> | <p>Know the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</p> <p>Know how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p> | <ul style="list-style-type: none"> - know how to recognise forces - know how energy can be stored to produce a force - know how different things move across a surface - know how to conduct a simple experiment and change a variable - know how to ensure experiment is a fair test |

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| | <p>LO: apply scientific understanding to a design</p> <p>LO: to apply scientific understanding to building</p> <p>LO: to present and evaluate scientific knowledge</p> | | <ul style="list-style-type: none"> - know how to report scientifically and evaluate |
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