

Year 2 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"> identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. <p>Performing simple tests using their observations and ideas to suggest answers to questions gathering and recording data to help in answering questions</p> <p>LO: apply prior knowledge to create predictions</p> <p>LO: to explore designs and suitability of materials</p> <p>LO: to design using scientific knowledge</p> <p>LO: to apply scientific knowledge to create design</p> <p>LO: to present scientific ideas</p> | <ul style="list-style-type: none"> Know how to use knowledge of materials in a design Know names of physical properties of common materials To know how to evaluate ideas based on scientific understanding Know scientists investigate before making a new design Know how to perform a simple test changing a variable | <ul style="list-style-type: none"> Know how to set up a simple test Know how to manipulate materials to create a design Know how to use knowledge of materials to combine and strengthen Know how to evaluate their ideas and designs using scientific principals |

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