



# Lowerhouse Junior School Curriculum Map Design and Technology



|        | Autumn 1 | Autumn 2  | Spring 1 | Spring 2   | Summer 1 | Summer 2  |
|--------|----------|---|----------|--|----------|---|
| Year 3 |          | <p><b>Textiles</b> – create a pillow/cushion for a child using running or back stitch.<br/>(links to Stone Age unit)<br/><i>Core Values:</i><br/><i>-Respect – for our history</i><br/><i>-Aspiration- developing a skill</i><br/><i>-Resilience- overcoming difficulty in attaining a skill</i></p>  |          | <p><b>Mechanisms – Levers and linkages</b><br/><b>Create a moving story book</b><br/><i>Core Values:</i><br/><i>-Respect – for other cultures</i><br/><i>-Aspiration- developing a skill</i><br/><i>-Resilience- overcoming difficulty in attaining a skill.</i></p> |          | <p><b>Food technology</b> -<br/>Make a fruit tart - <i>cross curricular science (Health and Nutrition).</i><br/><i>Core Values:</i><br/><i>-Respect – for other cultures</i><br/><i>-Aspiration- developing a skill</i><br/><i>-Resilience- overcoming difficulty in attaining a skill</i><br/><br/><i>Exploded diagrams 1</i></p>                |
| Year 4 |          | <p><b>Mechanisms (pulleys)</b><br/>Create a Pulley system - linked to Ancient Egypt.<br/><br/><i>Core Values:</i><br/><i>-Aspiration- developing a skill</i><br/><i>-Resilience- overcoming difficulty in attaining a skill</i></p>   |          | <p><b>Food Technology –</b><br/>make a healthy quiche appropriate for children.<br/><br/><i>Core Values:</i><br/><i>-Aspiration- developing a skill</i><br/><i>-Resilience- overcoming difficulty in attaining a skill</i></p>                                       |          | <p><b>Structure/Electrical circuit</b> – create a nightlight with a switch incorporating electrical circuit<br/><br/>- <i>cross curricular links to science.</i><br/><i>Core Values:</i><br/><i>-Respect – for our history</i><br/><i>-Aspiration- developing a skill</i><br/><i>-Resilience- overcoming difficulty in attaining a skill.</i></p> |
| Year 5 |          | <p><b>Textiles</b> - create a banner that represents the school houses which incorporates fabric sewn onto fabric (applique) and stitch detail<br/><br/><i>Core Values:</i><br/><i>-Respect- understanding other cultures</i><br/><i>-Aspiration- developing a skill</i><br/><i>Resilience- overcoming difficulty in attaining a skill.</i></p> |          | <p><b>Structures – (Primary Engineers)</b><br/><b>Make a stable tower that stands the tilt and shock test.</b><br/><br/><i>Core Values:</i><br/><i>-Aspiration- developing a skill</i><br/><i>-Resilience- overcoming difficulty in attaining a skill</i></p>        |          | <p><b>Food Technology –</b><br/>fruit crumble. Include seasonality of foods. – links to geography.<br/><i>Core Values:</i><br/><i>-Aspiration- developing a skill</i><br/><br/><i>- Respect – for our environment</i></p>   |

**Year 6**

**Mechanisms** (*Applying previous knowledge of axles, wheels, pulleys, create a vehicle capable of moving over different terrain.*)

*Core Values:*  
*-Aspiration- developing a skill*  
*-Resilience- overcoming difficulty in attaining a skill*

**Food Technology – create a healthy three course menu.**

cross curricular science (Health and Nutrition).

*Core Values:*  
*-Aspiration- developing a skill*  
*-Resilience- overcoming difficulty in attaining a skill*

**Structure - Create a tent incorporating a stable structure.**

**(Stable and appropriate for setting)**

*Core Values:*  
*-Integrity – understanding one’s history*  
*-Respect- understanding other cultures*  
*-Aspiration- developing a skill*  
*Resilience- overcoming difficulty in attaining a skill*