

DT Progression of Skills

| Key Themes | Y1 | Y2 | Y3 | Y4 | Y5 | Y6 |
|---|--|--|--|--|--|--|
| Developing ideas and planning my product | <p>I can make a simple plan before making.</p> <p>I can explain to someone else how I want to make my product.</p> | <p>I can think of an idea and plan what to do next, communicating my ideas through talking, drawing and labelling.</p> | <p>I can design a product and make sure that it looks attractive.</p> <p>I can follow a step-by-step plan, choosing the right equipment and materials.</p> | <p>I can use ideas from other people when I am designing.</p> <p>I can produce a plan and explain it.</p> <p>I can present a product in an interesting way.</p> | <p>I can come up with a range of ideas after collecting information from different sources.</p> <p>I can produce a detailed, step-by-step plan.</p> <p>I can explain how a product will appeal to a specific audience.</p> | <p>I can use market research to inform my plans and ideas.</p> <p>I can follow and refine my plans.</p> <p>I can justify my plans in a convincing way.</p> |
| Making and understanding how products work | <p>I can use my own ideas to make something.</p> <p>I can cut food safely.</p> <p>I can make a product which moves.</p> <p>I can choose appropriate resources and tools. I can make my model stronger.</p> | <p>I can choose tools, ingredients and materials and explain why I have chosen them.</p> <p>I can use tools, including scissors, correctly and confidently.</p> <p>I know how to prepare food safely.</p> <p>I can explore and use mechanisms to make a moving windmill.</p> <p>I can join materials and components in different ways.</p> <p>I can explore how to build stronger, stiffer and more stable structures.</p> | <p>I can join materials together using the best method for the material.</p> <p>I can select the most appropriate tools and techniques for a given task.</p> <p>I can work safely and hygienically.</p> <p>I can work accurately to measure, make cuts and make holes.</p> <p>I can describe how food ingredients come together.</p> | <p>I can measure and cut accurately using the correct equipment.</p> <p>I can persevere and adapt my work when my original ideas do not work.</p> <p>I know how to be both hygienic and safe when using food and why this is important.</p> <p>I can use mechanisms to make a Roman catapult function correctly.</p> | <p>I can use a range of tools and equipment competently.</p> <p>I can make a prototype before make a final version.</p> | <p>I can produce a product which is functional and uses the correct construction techniques.</p> <p>I can work within a budget.</p> <p>I can show that my designs fit their purpose.</p> |
| Evaluating products I have made | <p>I can describe how something works.</p> | <p>I can evaluate my ideas against my design plan/design criteria.</p> | <p>I can prove that my design meets some set criteria.</p> | <p>I can evaluate and suggest improvements for my designs.</p> | <p>I can suggest alternative plans; outlining the positive features and draw backs.</p> <p>I can evaluate appearance and function against original criteria.</p> | <p>I show that I can test and evaluate my products.</p> <p>I can evaluate my product against clear criteria.</p> |

These skills build year on year – by the end of Y6 children are expected to have completed each of the key skills for each theme