

■ Developing, planning and communicating (Design)

■ Constructing & Use of materials (Make)

■ Evaluating the process & products

■ Mechanisms (Technical Knowledge)

■ Computer Aided Design

■ Working with tools

... understand what a design brief is and use this to inform my design

... link the form and function of other products to my own designing

... produce a mostly developed range of design specification points including materials and why they would be chosen.

... produce a range of design ideas that shows a good understanding of material properties.

... Use a range of components including levers, linkages and pneumatic systems

... make a product which uses mechanical components

... use basic computer aided design software

... think about ideas as they make progress and be willing to make changes if this helps to improve their work

... explain how to change a design to make it better



The Year 3 Design and Technology student

'I can...'

... assess how well my product works in relation to the purpose

... Join materials effectively to build a product

... Use a range of techniques to shape and mould materials

... produce a generally functioning product that adequately meets the needs of the end user

...use equipment and tools accurately and safely

... select the most appropriate materials, tools and techniques to use

... understand what Computer Aided design is

... manipulate materials using a range of tools and equipment

... create orthographic drawings using computer software

... measure, cut and assemble with increasing accuracy