

■ Developing, planning and communicating (Design)

■ Constructing & Use of materials (Make)

■ Evaluating the process & products

■ Mechanisms (Technical Knowledge)

■ Computer Aided Design

■ Working with tools

... produce a detailed step-by-step plan for my design method.

... take a user's view into account when designing.

... suggest some alternative designs and compare the benefits and drawbacks to inform the design process and outcome.

... include electrical components, including input and outputs.

... incorporate gears, CAMS and pulleys.

... control a simple circuit connected to a computer

... apply my understanding of computing to program, and control my product.



The Year 5 Design and Technology student

'I can...'

... make accurate measurements to ensure precision.

... demonstrate that my product is strong and fit for purpose.

... refine and further improve my product.

... continuously check that my design is effective and fit for purpose.

... assess how well my product works in relation to the design criteria and intended purpose and suggest improvements.

... evaluate appearance and function against the original design criteria.

... choose appropriate tools and materials to ensure that the final product will appeal to the audience.

... use a range of tools and equipment with good accuracy and effectiveness, within established safety parameters.

... experiment with a range of techniques to increase stability in a structure