End of Year Expectations
Design and Technology Y4

Design
As a design and technologist:
Can I design with purpose by identifying opportunities to design?
Can I create cross-sectional diagrams to demonstrate my design?

Make
As a design and technologist:
Can I cut materials accurately and safely by selecting appropriate tools?
Can I measure and mark out to the nearest millimetre?
Can I understand the need for a seam allowance?
Can I join textiles with appropriate stitching?
Can I make products by working efficiently (e.g. by carefully selecting materials)?

Evaluate
As a design and technologist:
Can I disassemble products to understand how they work?
Can I refine work and techniques as my work progresses, continually evaluating the product design?
Can I improve upon existing designs, giving reasons for choices?
Can I identify some of the great designers in all of the areas of study (including pioneers in horticultural techniques) to generate ideas for designs?

Cooking and Nutrition
As a design and technologist:
Can I prepare ingredients hygienically using appropriate utensils?
Can I measure ingredients to the nearest gram accurately?
Can I follow a recipe?
Can I assemble or cook ingredients (controlling the temperature of the oven or hob, if cooking)?

Technical Knowledge
As a design and technologist:
Can I choose suitable techniques to construct products?
Can I strengthen materials using suitable techniques?
Can I apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut-outs)?
Can I select appropriate joining techniques?
Can I select the most appropriate techniques to decorate textiles?
Can I create series and parallel circuits?
Can I use scientific knowledge of the transferences of forces to choose appropriate mechanisms for a product (such as levers, winding mechanisms, pulleys and gears)?
Can I control and monitor models using software designed for this purpose?
Can I use software to design and represent product designs?