End Points for Design Technology Year 5/6

	Year 5	Year 6
Mechanical systems	Cams • Understand that mechanical and electrical systems have an input, process and output. • Understand how cams can be used to produce different types of movement and change the direction of the movement. • Know and use technical vocabulary relevant to the project.	Pulleys or Gears • Understand that mechanical and electrical systems have an input, process and output. • Understand how gears and pulleys can be used to speed up, slow down or change the direction of the movement. • Know and use technical vocabulary relevant to the project.
Structures		Frame structures • Develop and use knowledge of how to strengthen, stiffen and reinforce 3-D frameworks. • Develop knowledge of nets of cubes and cuboids. Know and use technical vocabulary relevant to the project.
Electrical systems	Monitoring and control • Understand and use electrical systems in their project. • Understand the use of computer control systems in products. • Apply understanding of computing to program and control their product. • Know and use technical vocabulary relevant to their project.	More complex switches and circuits • Understand and use electrical systems in their project. • Understand the use of computing to program, monitor and control their products. • Know and use technical vocabulary relevant to their project.
Food	Celebrating culture and seasonality • Know how to use appropriate equipment and utensils including heat sources to prepare and cook food. • Understand about seasonality in relation to food products and the source of different food products. • Know and use technical vocabulary relevant to the project.	
Textiles	Combining different fabric shapes • A 3-D textile product can be made from a combination of accurately made pattern pieces, fabric shapes and different fabrics. • Understand fabrics can be strengthened, stiffened and reinforced where appropriate. • Know and use technical vocabulary relevant to the project.	Using CAD in textiles • A 3-D textile product can be made from a combination of accurately made pattern pieces, fabric shapes and different fabrics. • Understand fabrics can be strengthened, stiffened and reinforced where appropriate. • Select and use a range of tools and equipment including CAD to make products that are securely assembled and well finished. • Know and use technical vocabulary relevant to the project.