Misterton Primary and Nursery School - Progression In Design Technology

Key Areas	Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Designing	Know that appropriate resources can be selected when designing.	Know that there are similar existing products relating to what is being made.	Know that products serve a purpose.	Know that a design must meet a range of requirements.	Know that a design can be based upon research.	Know that design criteria can be developed.	Know that a design specification is used to guide thinking.
Making	Know that materials can be joined using tools and techniques.	Know that tools / equipment can be used to cut, shape, join and finish.	Know that there is a purpose for what is being made.	Know that there are appropriate tools / materials chosen which are fit for purpose.	Know that there are explanations behind choosing the appropriate tools / materials.	Know that appropriate tools / materials are used with precision.	Know that functionality and aesthetics are considered when selecting the appropriate tools / materials.
Evaluating	Know that work can be adapted if necessary.	Know that a final product is linked to what has been asked.	Know that there are strengths and weaknesses of products made.	Know that a design can be changed to improve it if the product were to be created again.	Know that existing products can be evaluated.	Know that the purpose and appearance of a product can be evaluated.	Know that a product can be evaluated against the design specification.
Technical Knowledge	Know that products need to be strong. Know that products move.	Know that there are ways to make a product stronger. Know that levers can be used to create movement. Know that textiles can be cut and joined to make a product.	Know that materials can be measured. Know that wheels and axles can be used to create movement. Know that textiles can be joined to make a product.	Know that cuts and holes can be made accurately. Know that simple linkages can be used to create movement. Know that textiles can be joined in different ways.	Know that mistakes can be avoided by measuring carefully. Know that pneumatics can be used to create movement. Know that there are ways to join textiles in order to make the product strong.	Know that products need to be strong and fit for purpose by being precise. Know that cams can be used to create movement. Know that user and aesthetics are considered when choosing and joining textiles.	Know that a 3D frame can be reinforced and strengthened. Know that pulleys and gears can be used to create movement. Know that a 3D textiles product can be made by joining a combination of fabric shapes.

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Cooking and nutrition	Know that eating well contributes to good health. Know that ingredients can be stirred, mixed and poured.	Know that food comes from plants or animals. Know that with support, food can be cut, peeled and grated.	Know that food has to be farmed, grown or caught. Know that with safety and good hygiene, food can be cut, peeled and grated.	Know that food comes from the UK or wider world. Know that there are a wide range of food preparation techniques.	Know that food is grown in the UK, Europe and wider world. Know that with support, food can be prepared in a variety of ways.	Know that food is grown, reared and caught in the UK, Europe and wider world. Know that different preparation techniques are used depending on the food type.	Know that the seasons affect the food available. Know that recipes can be adapted to change appearance, taste, texture and aroma.