



Technology Curriculum

KS3



Graphic Product Investigate & Design

I can explain my ideas clearly in detail
I can use my experiences to design a product.

I can cut, shape and put things together when making.



I can research the process of making materials.

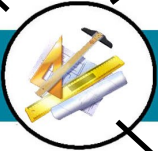


Resistant Materials

I can identify different types of trees and timbers

I can identify and use range of hand tools safely

I can carry out basic quality control measures on my work



Resistant Materials

I can create original designs in response to a design brief

I test my end product against a specification.

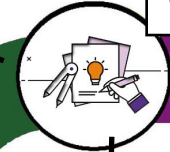


Food – Healthy Eating & a balanced diet

I can make healthier food choices

I can explain what makes a healthy balanced diet

I can demonstrate a range of polymer shaping processes



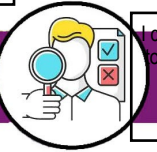
Resistant Materials Make and Evaluate

I can explain the implications of using polymers

I can understand the environmental impact of using timber



Test and evaluate my work, comparing it to my design specification.



Graphic Product Make & Evaluate

I can pay attention to quality of finish when making



Graphic Product Investigate & Design

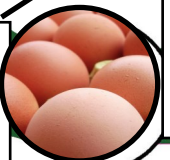
I can draw, model and discuss ideas to clarify my thinking.



Food – Refined carbohydrates & sugars

I can identify the differences between natural sugars & added sugars and which foods contain them

I can describe a range of industrial processes for forming polymers



Food – Food Science— Eggs

I can demonstrate critical thinking in testing and evaluating my end product. Using tolerances.

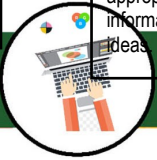
I can describe the sources and origins of polymer based materials and categorise different types.



Food – Food & Environment

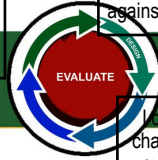
I can address tangible design constraints in a specification

I can communicate using a variety of media and techniques eg. models, mock ups, orthographic/isometric/perspective drawings and using ICT



Graphic Products Investigation & Design

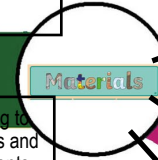
I can use a wide range of appropriate sources of information to develop my ideas



Graphic Product Making & Evaluating

I can work out ways to test my product fully and evaluate against the specification.

I can adapt my making to changing circumstances and explain these adjustments



Resistant Materials Investigate & Design

I can discuss social and environmental issues surrounding energy

I can identify and describe a range of motions and applications to mechanisms

I can use various iteration processes to develop my ideas into its best form

I can carry out food investigations and analyse the results

I can compare & contrast different farming methods and give my opinion as to which I think is the best method

I can analyse nutritional labels and design appropriate and healthy dishes for teenagers



Food – Nutritional Needs & Health; Teenage Dietary Needs



Food—Food Science: Raising Agents

Resistant Materials Make & Evaluate

I can demonstrate a range of material removal processes using a wide variety of both tools, machines and techniques in a school workshop