



CURRICULUM – Design Technology

Key stage 3

What is being taught?

Year 7 learners continue to explore Design Technology skill and its applications within in society and everyday items that we use and take for granted. Working through a project to develop a structure out of different materials to create an Easter egg box that will be able to carry a painted egg.

Year 8 will be developing their skills into making a moving object for their project. They will need to create models of mechanical toys that can be used to help create 2D and 3D drawings for their project. From the designs they will then select the best design and make it and test of their ideas of a mechanical moving toy working

Year 9 develop are progressing to more advanced skills and their project has more of a closer relationship to the work of a computer designer. They must investigate different styles key fobs review their benefits and unique design features. From the research they will create a design drawing of different key fobs and then create different key fobs that could be printed out in 3D.

How is it being taught?

Year 7 will be taught the key features that can be used to design an egg box that will hold a variety of coloured eggs. Drawing designs will be made before they create and test the final design in construction the egg holder and then the designs on blown eggs.

Year 8 Initially learners will continue to use research skills and have the opportunity to look at different machinal toys s to help them formulate their design ideas. From the research learners will create a working mechanical toy using different tool and ideas that they have created.

Year 9 will use research methods to help them to understand different types of key fobs to allow the learners to create a detailed drawings of key fobs that will meet a set criteria. From their research and design ideas the key fobs will then be created using a 3D computer programme and then for it to be printed out.