**DESIGN TECHNOLOGY**

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| **INTENT** | **IMPLEMENTATION** | **IMPACT** |
| Design Technology prepares pupils to participate in a rapidly changing world. The subject calls for pupils to become independent and creative problem solvers, as individuals and members of a team.In this Academy, the purposes of Design Technology are as follows:* To give children the opportunity to consider the form and function of familiar products
* To give children the opportunity to respond to a challenge by drawing on previous experience and using a full range of information sources to generate possible solutions, including IT.
* To give children the opportunity to test ideas through modelling and drawing, and to test design-thinking through discussion with others.
* To enable children to work with a range of tools, materials, equipment, components and processes; developing practical skills.
* To teach children to be aware of Health and safety when using tools and when working with other people.
 | Design Technology is planned progressively, using the National Curriculum and ‘Key Skills’ from our Curriculum. It is taught in each term and is linked to other areas of the curriculum and the overall topic theme, as appropriate.Class Teachers are responsible for the day to day teaching.All children are given Focussed Practical Tasks (FPT’s), through which they are taught a specific Design Technology skill. Through this they also become confident in using a range of tools and materials. Children are encouraged to solve more challenging design problems by considering which materials and skills are necessary and appropriate to be used. Children are also taught specific core knowledge and core vocabulary as relevant to the overall topic.Books, objects, images, DVDs and ICT may be used as a source of ideas for teacher reference and as a stimulus to aid the children’s learning.The children are taught in a range of ability groupings.Resources and IT equipment is used following the school’s Health and Safety guidelines.Use of the cooker, glue guns, craft knives and other cutting tools takes place only under adult supervision. Health and Safety concerns are reinforced at the beginning of every Design Technology lesson. | Progress and achievement is recorded in the ‘Skills Journal’ which details the key skills for all non-core subjects. This is an ongoing record for the four years that the child is a pupil at Branston Junior Academy. As a result of FPT’s and completing finished articles, all children are also able to:* learn more about the design process
* develop their confidence in key making skills
* develop their confidence in using a range of tools and processes
* develop skills in thinking logically and systematically
* appreciate how objects are structured for a specific purpose
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