

Curriculum

Following the creative curriculum allows design and technology to be incorporated into every topic at Ardley Hill. Each year group develops their designing and making skills through topic related challenges.

In **Preschool and Reception** children explore and manipulate materials to achieve a planned effect, construct with a purpose in mind, represent their own ideas, thoughts and feelings through designing and model making. They are encouraged to talk about their ideas and explain what they have changed to make their models better. Resources are on continuous provision in this key stage, as well as specific projects such as making strong houses for the 3 little pigs/ designing their own torch case in light and dark and looking at homes and food in All Around The World. We also focus on correct scissor hold, using different joining materials and the safe use of tools.

In **KS1** children develop their scissor and tool control, begin to make choices about the best methods to join their materials and look at a range of joining techniques. These objectives are covered through topics such as; make your own superhero puppet, design a castle with a working drawbridge and create a pop-up jungle book through our topics of, Superheroes, Turret and Tiaras and Take a Walk on the Wild Side.

In **LKS2** children build on the KS1 skills and begin to improve the look of their finished products. They use ICT to research and plan their ideas. They work in both groups, pairs and individually on projects. They are able to try out their idea with a mock-up and make improvements. These objectives are covered through topics such as Extreme Earth, where they design and build a raft to escape an avalanche! They make a Mad Hat as part of a group in the Wonderland topic and look at the differences in diet in WW2, Stoneage and Roman times.

Aims and Objectives

Design Technology is an integral part of the curriculum and provides children with a knowledge of the different uses of materials and appropriate tools in order to join and work with them safely. We provide opportunities linked within the creative curriculum for children to evaluate, plan, design and make projects, within a meaningful context. This includes the highly important life skill of cooking within the context of a balanced diet. We encourage children to be imaginative and to problem solve when designing, in order that their product fulfills its purpose. We feel it is important that children are given time to learn from their mistakes in order to improve their design and final product. At Ardley Hill Academy we aim to develop our pupils' interest in and appreciation of, the key designs which have helped shape their world today.



Design Technology Policy 2018

Leader Jo Denham

Curriculum Cont'd

In **UKS2** the children build on and extend all previous skills and often take their products to younger classes to receive feedback. They also learn to use new equipment such as sewing machines. Understand how key events and individuals in design and technology have helped shape the world, through their topics of Mayan Mayhem and The Groovy Greeks. During Mission X the children are challenged to design a re-entry module to keep an object safe.

Assessment

Assessment of Design Technology takes place termly by class teachers to ensure children are on track for the end of the year and to identify areas where support may be needed or skills revisited. The data is tracked and analysed by the DT leader and feedback is given to teachers. Leaders and staff conduct learning walks, pupil conversations and book and planning scrutinies throughout the year to further assess. Within lessons pupils use tools such as 'stars and wishes' and 'traffic lights' to assess the work of their peers as well as their own. Classes display models in their classrooms at the end of lessons and units of work. Teachers send photographs of examples from their terms' project to the DT leader as another form of evidence.



Extended learning & Parental Involvement

We offer an after school cookery club which is open to all children.

Our homework bingo is designed to include a design and make challenge each term for every year group.

In addition special days and events are held in conjunction with healthy schools week, to encourage the development of cooking skills.

Classes tweet examples of great work to parents on a weekly basis.