



Subject Rationale- Design and Technology

Our Vision

At Abram Bryn Gates, we believe that Design and Technology helps to prepare children for the developing world and encourages them to become curious and creative problem solvers, both as individuals and as part of a team.

Through the study of Design and Technology, they combine practical skills with an understanding of aesthetic, social and environmental issues. Design and Technology helps children to become discerning and informed consumers and potential innovators. It provides children with a greater awareness and understanding of how everyday products are designed and made.

Content

The content of our Curriculum for Design and Technology is based around the National Curriculum and Kapow resources.

In the EYFS children will follow their early learning goals to develop children's skills, knowledge and understanding of the world around them as an integral part of our work. Planning relates to children's current knowledge, skills and interests and links to the objectives set out in the Early Years Framework.

Across Key Stage 1 and 2, we plan design and technology activities so that they build upon prior learning of the children. We give children of all abilities the opportunity to develop their skills, knowledge and understanding and ensuring progressive challenge, breadth and depth to their design and making. The units are focused on the following areas:

1. Cooking and Nutrition.
2. Materials.
3. Construction including mechanics.

The planning is completed through a cross curricular approach ensuring that design technology has a link to topics being studied when possible.

Concept

Our overarching aims are to develop imaginative thinking in children and enable them to talk about what they like and dislike when designing and making. To enable children to talk about how things work and draw and model their ideas. To encourage children to select appropriate tools and techniques for making a product safely. To foster enjoyment, satisfaction and purpose in designing and making and also to use ICT equipment to assist our designing and learning.

Progression of skills and knowledge

Our curriculum has a strong focus on developing children's skills, knowledge and vocabulary by building on their prior learning. Cooking and Nutrition, Materials and Mechanics are introduced in EYFS and developed throughout each year group, building on prior skills, knowledge and exploring new vocabulary.

Inclusion

At Abram Bryn Gates, we ensure that each individual is able to access and use a variety of resources, allowing every individual the opportunity to investigate and explore to develop their design and technology enquiry skills, allowing every child to have the tools to succeed.

Opportunities & Resources

At Abram Bryn Gates we provide children with the opportunity to use effective and appropriate Design and Technology equipment on a regular basis, as well as, offering opportunities to further their knowledge through visitors and trips – including trips in our local area.

Assessment

In Design and Technology, assessments will be made over time based on evidence of a range of activities across the strand taught over a period of time. The nature of assessment will vary from formative to summative assessments, through observation, discussions and evidence of work.

We will use Insight, our school tracking system, 3 times per year (in each term) to monitor and assess Design Technology in every year group so we can track children as they move through school.

Monitoring

Following an action plan being completed, the Art and Design lead will work to carry out the tasks; book monitoring, auditing, pupil voice, teacher feedback and observations. The feedback will then be shared with colleagues, including what is working well, areas to consider and next steps – this will then be reviewed and will feed into the following academic year's action plan.