



Design and Technology Curriculum Statement

Intent

At Beechwood, we believe that Design and Technology is an inspiring, rigorous and practical subject. We aim for our students to use their creativity and imagination to design and make products that solve real and relevant problems within a variety of contexts, while considering their own and others' needs, wants and values. Our students will acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Through Design and Technology, our students will learn how to take risks, allowing them to grow as resourceful, innovative, enterprising and capable citizens. Through the evaluation of past and present design and technology, our pupils at Beechwood will develop a critical understanding of its impact on daily life and the wider world. We strive for a high-quality design and technology education, from EYFS to Year 6, which makes an essential contribution to the creativity, culture, wealth and well-being of our nation.

With guidance from the national curriculum, we aim to have all our pupils leaving Beechwood having developed the following skills:

- develop the creative, technical and practical expertise needed to perform everyday
- tasks confidently and to participate successfully in an increasingly technological world
- build and apply a repertoire of knowledge, understanding and skills in order to design
- and make high-quality prototypes and products for a wide range of users
- critique, evaluate and test their ideas and products and the work of others
- understand and apply the principles of nutrition and learn how to cook.

With our approach, our pupils will leave Beechwood equipped to know, apply and understand the matters, skills and process specified in the relevant programme of study.

Implementation

At Beechwood, we choose to deliver Design and Technology during three school wide focus weeks. This creates a fantastic environment and real enthusiasm around the subject. At the end of our design and technology weeks parents are invited to come and either explore the learning with their child or to purchase their child's final product. We believe, as with all subjects, design and technology should introduce new skills, while revisiting and consolidating prior learning. For each topic, we aim to have at least one creative element to build pupils' knowledge and creativity in the world of design. Each Design and Technology

unit should contain, but are not limited to, five components: research, design, make, evaluate and technical knowledge.

School Vision

Explore, Discover, Achieve

Explore – Research is a key part of our units at Beechwood because it allows our students to explore their topics before entering the designing and creating process. We value the importance of research skills, as it allows our students to seek understanding of their topic, beginning in foundation, and continuing through to Year 6.

Discover – Discovery happens at various stages of our Design and Technology units. When conducting our research, we encourage hand-on tests and experiments to gain more information on our products.

Achieve – Our students are proud of their work at the end of a Design and Technology unit—the research, planning and creativity that goes into each project is evident in the unique creations that are produced.

Curriculum coverage

Year	Autumn	Spring	Summer
EYFS	Cooking and nutrition Vegetable soup		
1/2	Cooking Bread (Great Fire of London)	Structures Animals	Mechanisms Catapults
3	Structures Stonehenge	Digital World Scratch Story	Cooking and Nutrition Ciabattas
4	Textiles Cross-stitch	Mechanisms / Mechanical systems Sling-shots	Electrical systems Electric poster
5	Mechanisms / Mechanical Systems Pop-up Books	Cooking and Nutrition Healthy Eating	Textiles Stuffed Animals
6	Structures Anderson Shelters	Digital World Monitoring devices	Textiles Stuffed Animals

Impact

Before our pupils leave Beechwood, we aim for them to feel confident and proud of their achievements in Design and Technology. Through the teachings of various skills that build off one another, our process will allow our students to experience a variety of creative and practical activities, including the crucial life skill of learning how to cook, enabling pupils to feed themselves and others affordably and well.

