



Ashwood Spencer Academy

Planning

Why is Design and Technology important at Ashwood?

Design and Technology (D&T) at Ashwood Spencer is an inspiring, engaging, fun and practical subject, where children are encouraged to be creative and use their imagination.

D&T is important to us, as it enables our pupils to take risks safely and links to our **DREAM** expectations, where children are 'ambitious achievers not afraid to make mistakes' through reflecting and critiquing their designs.

Throughout their time at Ashwood, D & T will enable pupils to build a repertoire of technical and practical expertise needed to participate successfully in an increasingly technological world.



D & T at Ashwood is carefully planned throughout the school. The progression of each of the key skills of design, make and evaluate is carefully laid out for each Year group and the teaching of knowledge within these skills is planned as part of a broad, creative curriculum, where D & T is embedded through a range of subjects.

Food technology has a clear skills progression for each Year group and pupil understanding of the principles of nutrition and healthy eating is also taught.

Teaching children to cook, will help them to develop crucial life skills that will enable them to feed themselves affordably and well, even with limited resources, throughout their life.

Assessment

The majority of D&T assessment is carried out through observations of children working and through discussions with them, as they evaluate their own designs. Teachers record pupil achievement in D & T key skills based on evidence every term via Google Drive.

Links with organisations

Wherever possible, Ashwood builds links with local businesses and partners, such as the University of Derby and Rolls - Royce, to give children access to exciting STEM opportunities within the wider community. Links with local industries and charities are encouraged and contact has been made with the IET (Institute of Engineering and Technology).

Through links formed with other schools within the Spencer Academy trust, and local secondary schools, we share best practice and resources for our D&T lessons. This enables our children to have broader experiences and to develop the technical skills that they require for future development.



Enrichment opportunities

D & T skills are woven through curriculum activities during themed events such as 'Roman Day', 'Science Week,' and 'Healthy Eating Week, as well as forming part of the broad and balanced creative curriculum.

D & T subject leadership team investigate opportunities for pupils to attend the 'Big Bang UK' Young Scientists and Engineers' fair.

Children from Years 5 and 6 take part in the 'Destination Imagination' National STEAM competition, where teams compete against other students from across the UK to solve technical problems and build creative solutions.

Linking Our Learning

Each term, all year groups choose their own class books and this allows teachers to plan meaningful D&T links to the wider creative curriculum.

Children are encouraged to think creatively to solve problems, both as individuals and as members of a team. They are taught to consider their own and others' needs, wants and values, when designing products.

Children use their writing skills to research and describe their designs and encourage others to buy their finished products, by using persuasive language.

