



'Design is not just what it looks like and feels like. Design is how it works.' (Steve Jobs)

Intent

Design and Technology is the practice of researching, planning, making and evaluating products for a specific purpose while developing technical skills and knowledge. The children also learn how to prepare a variety of savoury dishes and the innovators, designers and engineers who have helped shape the world around them.

At Woodhall, we encourage children to use their creativity and imagination, to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. We aim to, wherever possible, link work to other disciplines such as mathematics, science, engineering, computing and art. The children are also given opportunities to reflect upon and evaluate past and present design technology, its uses and its effectiveness and are encouraged to become innovators and risk-takers.

By the time our children leave Woodhall, we aim to:

- Create the innovators of tomorrow who feel encouraged to experiment, draft, plan, edit and evaluate and understand that failure is a necessary step towards success.
- Develop their key skills and knowledge. Our children will experience and engage practically with design projects allowing them to develop transferable problem-solving, technical and design skills that they can apply to their future learning and lives.
- Promote that Design and Technology is for everyone, no matter the age, disability, gender, race, religion or belief and sexual orientation. We will pitch the learning so that it scaffolds and challenges learning to meet the needs of the learner and celebrate the scientific successes of a wide variety of people.
- Ensure our children's sense of safety and responsibility, knowing how to use resources, equipment and plan and carry out a range of projects in a sustainable, appropriate and safe way.

Implementation

Design and Technology lessons are delivered in blocks throughout the year. Children work to a brief and complete a project containing the core processes of Planning, Designing and Making. Technical skills are taught, practiced and applied throughout projects but they can also be taught discretely where appropriate (for example, cutting and sticking in Year One in taught and practiced regularly in various lessons.)

Where appropriate, Design and Technology projects are linked to wider themes in other curriculum areas. We have raised the profile across the whole school through large-scale events. For example, the whole school takes part in a week-long project to design, make and parade Easter Bonnets in the Spring Term.

Impact

Children's progress in Design and Technology is recorded throughout the year, using the Woodhall Attainment Tracker. If the child has not achieved the majority of the objectives in a particular strand of learning, a score of 0 is given, if the majority have been met a 1 and if all have been achieved or excellent subject knowledge of skill has been displayed in a particular area, the child may be awarded a 2. The teacher updates each strand as it has been taught and the Tool collates achievement across each strand for each year group and helps the teacher record and analyse achievement for each child and their class as a whole. The D.T. Lead can then scrutinise this information for trends and areas of development. The achievement of vulnerable groups such as SEND, PPG or EAL children are

monitored closely to ensure their progress is in line with their peers. Where there is a large disparity, the D.T. leader works alongside teachers to help provide resources, support and help narrow the gap.

Regular monitoring of the curriculum is undertaken by the subject lead. This provides feedback to all stakeholders; the teachers, the SLT, the Governing Body and outside agencies including Ofsted and advisors such as the Hertfordshire Improvement Partner.

Evidence is collected regularly through pupil voice, lesson observations, work and planning scrutiny and learning walks. During each monitoring cycle, the D.T. Lead looks for appropriate coverage for that particular point in the year, high quality work being produced over a range of activities, thoughtful differentiation and care and attention over tasks from both teacher and pupil.

D.T. has been chosen for redevelopment and is a key part of the 2022-2023 School Development Plan. A new subject leader has been appointed to help develop the subject. We are committed to moving our provision on.

Relevant Website Links:

School Development Plan (parents/carers' version): <https://woodhall.herts.sch.uk/wp-content/uploads/2022/09/Woodhall-School-Development-Plan-2022-2023-Parents-Version-1.pdf>

Curriculum (subject ladders/curriculum overviews): <https://woodhall.herts.sch.uk/curriculum>