Design & Technology

Graiseley Primary School Curriculum

Subject On a Page

Vision:

"To inspire and guide children and provide them with the skills they will need for the developing world."

Intent:

We believe that high-quality DT lessons will inspire children to think innovatively and develop their planning, designing, assessing and evaluation skills. As our DT curriculum is designed using 'Project On A Page' (POAP), our DT curriculum provides children with opportunities to develop their skills using a range of media, materials and tools. Children learn the skills using structures, food, textiles, mechanisms, and electrical and mechanical systems. The skills they acquire are applied to their cross-curricular topics, allowing children to use their DT skills to develop their own products. DT contributes to children's personal development in independence, judgment, and self -reflection. It also enables them to create take care work which links strongly to our school values. It is paramount that DT work be purposeful. Pupils should be clear what the intended outcomes are and have a means to measure their own work against this. In DT, children are expected to be reflective and evaluate their work, thinking about how they can make changes and keep improving. This should be meaningful and continuous throughout the process, with evidence of age-related verbal and written reflection. Children are encouraged to take risks and experiment, and then reflect on why some ideas and techniques are successful or not for a particular project.

Implementation:

Teachers adapt the Project on a Page planning carefully to meet the needs of the children. Objectives from the POAP form our medium-term plans, which are then transferred onto a progression map for each cross curricular topic. Teachers are able to see what skills and knowledge have been taught previously. Alongside this, a knowledge organiser is created which outlines knowledge and skills (including vocabulary) that children should master. Teachers are then able to design a cycle of lessons for each subject, which plans for progression and depth (taken from POAP). They will create a way for DT to be displayed or shared to celebrate the pupil's work.

Progression of Skills in Design Technology explored and mastered overtime at Graiseley Primary:

Design

- Understanding contexts, users and purposes
- Generating, developing, modelling, and communicating ideas

Making

- Planning
- Practical skills and techniques

Evaluating

- Own ideas and products
- Existing products
- Key events and individuals

Technical knowledge

- Making products work

Cooking and nutrition

- Where food comes form
- Food preparation, cooking and nutrition.

Impact:

Our DT Curriculum is high quality, well thought out and is planned to demonstrate progression. If children are keeping up with the curriculum, they are deemed to be making good or better progress. In addition, we measure the impact of our curriculum through: a reflection on standards achieved against the planned outcomes; a celebration of learning for each term which demonstrates progression across the school (DT display); and pupil discussions about their learning.