

Curriculum Intent

Subject: DT

Intent

At Glenfield, Design Technology encourages children to think independently and creatively, as well as working in a team. The Design Technology curriculum at Glenfield is linked with topics being taught at the time and is aligned with the National Curriculum, following four main stages of designing, planning, making and evaluating.

Designing

- The children will use their knowledge of existing products to inspire
- They will say or create diagrams to explain how their product will work
- They will be clear on the intended user of the product

Planning

- Children will select from a range of tools and materials and will progress on to explain their choice according to the characteristics of these components

Making

- Children will use a range of materials and components, including construction kits, textiles, food ingredients and mechanical components
- They will assemble, join and combine materials
- They will learn to measure, mark out, cut and shape materials

Evaluating

- Children will be able to evaluate their own work and others, thinking about how the product works and is used and what materials it is made from.

Implementation

At Glenfield we teach children a range of skills through Design Technology that they will use for life. Each year group will be exposed to a unit on construction, moving parts and food/drink, with skills and knowledge being built on each year. Sequences of lessons are planned around designing, planning, making and evaluating; teachers model the practice and application of skills in a whole class setting, and then children are given the time to have a go and explore ideas by themselves or to work in a small team. This team work, such as constructing wooden houses in Year 2, promotes collaborative learning and problem solving to reach an end goal. If necessary, health and safety precautions are also taught throughout a unit.

Impact

By the time they leave Glenfield, children should be able to evaluate their own or others work in detail, and have skills within construction, moving parts and food/drink that they will rely on for life. Children will be supported and challenged appropriately, with examples of how to do this provided on the planning. At the end of each learning journey are examples of work that meets working towards, expected or exceeding age related expectations. These levels are included in reports at the end of the year.