



Intent

Why is Design Technology important at Bridgetown?

Design Technology helps us to develop as reflective learners, as we work through the design process.

Through design technology, we are able to work collaboratively to solve problems and find solutions, teaching us to deal with uncertainty whilst developing communication, organisational and other practical life skills.

In design technology, we learn to appreciate the needs of others, the built environment and the likely impact of future technologies.

Implementation

When is Design Technology taught?

Design Technology is taught both through Skills Development Tasks and through design projects. The Satellite View maps out which thematic units feature this subject and clearly shows the objectives taught.

How is Design Technology taught?

Design Technology is taught through a combination of subject knowledge, skill building and design and make projects. Food technology is also taught through thematic units and our 3D PSHE programme. Learning takes place both inside and outside the classroom.

What do we learn in Design Technology?

We learn about:-

- Mechanisms
- Sliders
- Lever
- Structures
- Textiles
- Food technology
- Electronics

We also complete design technology projects in each phase for specified clients e.g. the pirate, the evil genius, allowing pupils the opportunity to both experiment and apply their knowledge and skills.

How Does Our Learning Grow?



How do we assess and monitor design technology?

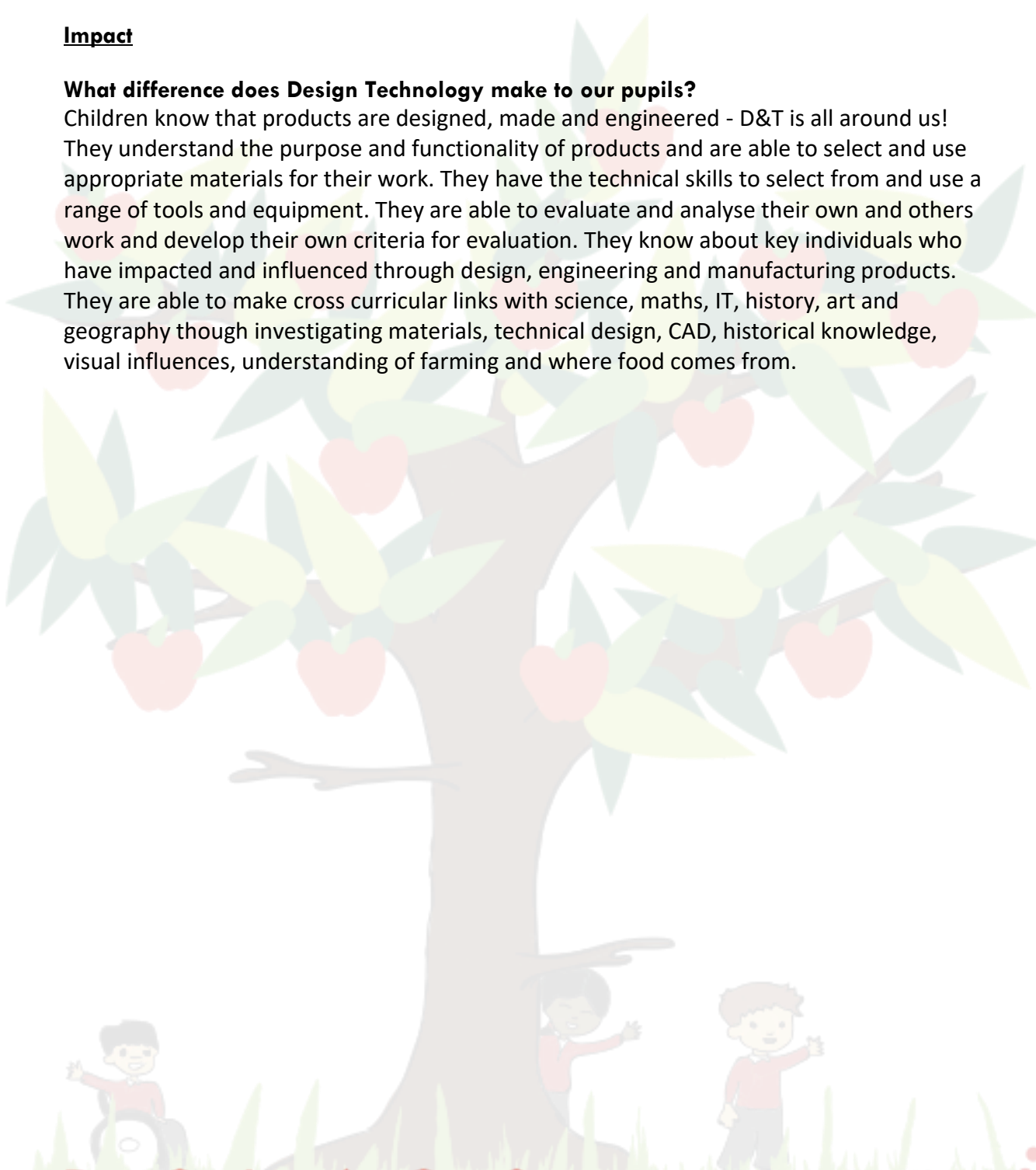
Formative assessment in D.T. occurs throughout the learning process, through dialogue and conversation with the children as they are working. At Bridgetown, we want to promote the whole child and value our children's creative and individual responses in the subject; therefore, we should give open-ended feedback and use effective questioning techniques.

For their summative assessment, teachers refer to the Skills Ladder and Knowledge Builders for their phase group, which include: food technology, users and purposes, product research, design technology vocabulary, product features and invention and development.

Impact

What difference does Design Technology make to our pupils?

Children know that products are designed, made and engineered - D&T is all around us! They understand the purpose and functionality of products and are able to select and use appropriate materials for their work. They have the technical skills to select from and use a range of tools and equipment. They are able to evaluate and analyse their own and others work and develop their own criteria for evaluation. They know about key individuals who have impacted and influenced through design, engineering and manufacturing products. They are able to make cross curricular links with science, maths, IT, history, art and geography through investigating materials, technical design, CAD, historical knowledge, visual influences, understanding of farming and where food comes from.



How Does Our Learning Grow?