# ONE VOICE DESIGN TECHNOLOGY AT TORKINGTON PRIMARY SCHOOL



## INTENT

#### **DESIGN AND TECHNOLOGY**



## INTENT- Design and Technology (DT)



Design and Technology at Torkington instils qualities such as curiosity, enquiry and determination. Students are inspired, engaged and excited through carrying out a range of effective research and design and make tasks. Students thrive in learning how to work independently and collaboratively to gain an in-depth understanding of the creative and problem-solving process. The sense of achievement and the rewarding nature of the subject results in a tangible manifestation of pride in the completion of a product.

We intend to design a design technology curriculum with appropriate subject knowledge, skills and understanding as set out in the National Curriculum Design Technology Programmes of study, to fulfil the duties of the NC whereby schools must provide a balanced and broadly-based curriculum

## How does the Design Technology curriculum take account of the needs of all pupils, including your most disadvantaged and SEND pupils?

DT is often taught as a whole class or ½ class lesson, dependant on the age of class and the art subject being delivered. The children are taught a new skill and create a modelled example of how they can demonstrate this. Within the scheme there are three levels of differentiated tasks for the children to explore. Differentiation task outcome options through resources is used as a secondary option when scaffolded support is needed. At the point of need, teacher and TA intervention is made to children who have been identified as struggling or in need of an extra challenge.

How do you ensure that the Design Technology curriculum guarantees that pupils in Years 2 and 6 have full coverage which is not lessened by the amount of additional time given to English and maths?

At Torkington, DT is taught every other half term. Children will present their weekly sessions work in their DT sketch books.

## **IMPLEMENTATION**

#### **DESIGN AND TECHNOLOGY**



#### IMPLEMENTATION- DT

- Clear and comprehensive scheme of work in line with the National Curriculum- The Design Technology National Curriculum and EYFS is planned for and covered in full within the EYFS, KS1 and KS2 school curriculum. Whilst the EYFS and National Curriculum forms the foundation of our curriculum, we make sure that children learn additional skills, knowledge and understanding and enhance our curriculum as and when necessary.
- Delivery of design and technology projects with a clear structure.
- Delivery showing clear following of the design process where each unit follows: research, design, make and evaluate.
- A range of skills will be taught ensuring that children are aware of health and safety issues related to the tasks undertaken
- ► Clear and appropriate cross curricular links to underpin learning in multi areas across the curriculum giving the children opportunities to learn life skills and apply skills to 'hands on' situations in a purposeful context.
- Independent learning: In design technology children may well be asked to solve problems and develop their learning independently. This allows the children to have ownership over their curriculum and lead their own learning in Design Technology.
- Collaborative learning: In design and technology children may well be asked to work as part of a team learning to support and help one another towards a challenging, yet rewarding goal.

#### Plan Bee





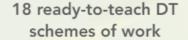
A complete DT curriculum for Year 1 to Year 6

#### What is the DT Whole School Curriculum Pack?

- A series of Design & Technology schemes of work arranged across the Autumn, Spring and Summer terms for all year groups from Year 1 to Year 6 (one scheme of work per term per year group)
- Each scheme of work contains between five and seven ready-to-teach DT lessons
- Each individual lesson includes a detailed plan, a slideshow presentation for the teaching input, differentiated activities and a range of printable resources.

#### Why use our DT Whole School Curriculum Pack?

- Deliver a complete DT curriculum that meticulously covers all the necessary National Curriculum objectives for Design & Technology across KS1 and KS2
- Embed consistency across year groups, phases and key stages
- · Ensure confidence in teaching DT from all staff members
- High-quality prepared planning written by experienced teachers
- Clearly mapped knowledge and skills progression.



Complete coverage of National Curriculum DT objectives Built-in knowledge and skills progression







## IMPLEMENTATION- DT

#### **Whole School DT Progression**

This whole school progression allows for the children to build a solid foundation of skills that is then development and enhanced as they move through each key stage. The skills the children learn in each lesson are based around the main elements of the Design and Technology curriculum.

DT Whole School Curriculum Pack : Year 1 to Year 6

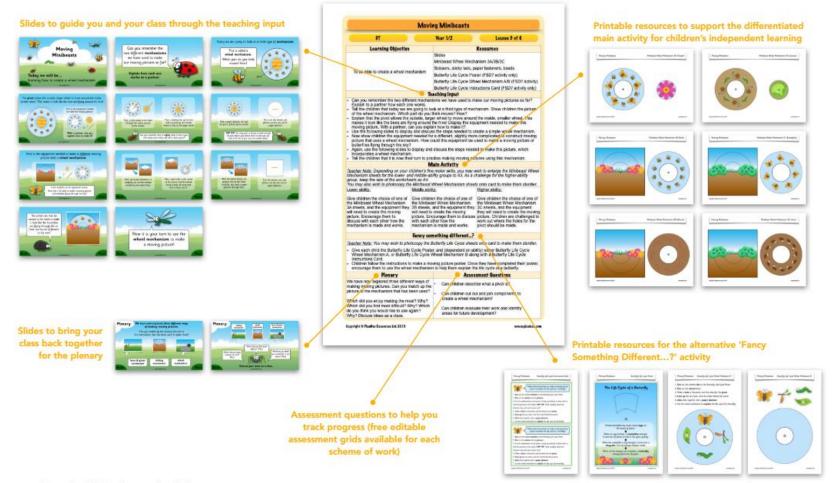


	Autumn Term	Spring Term	Summer Term
Year 1	Eat More Fruit and Vegetables	Moving Minibeasts	Stable Structures
Year 2	Puppets	Vehicles	Perfect Pizzas
Year 3	Storybooks	British Inventors	Light-Up Signs
Year 4	Seasonal Stockings	Making Mini Greenhouses	Seasonal Food
Year 5	Building Bridges	Chinese Inventions	Fashion and Textiles
Year 6	Programming Pioneers	Bird House Builders	Burgers

### **Implementation**

#### Anatomy of a PlanBee DT Lesson:





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#### EXTRA CURRICULAR OPPORTUNITIES

- ► Each week children from reception to Year 6 are offered extra curricular clubs, that are run by our teachers and teaching assistants.
- ► The children have a choice of clubs that include opportunities to rehearse, explore and develop their DT skills and knowledge.
- ▶ **Reception and KS1** are offered: Messy and Science club.
- ► **KS2** are offered: Computing, cookery and DT club

## **IMPACT**

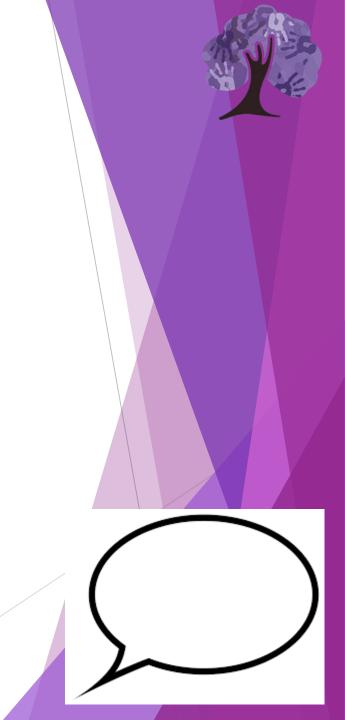
#### **DESIGN TECHNOLOGY**



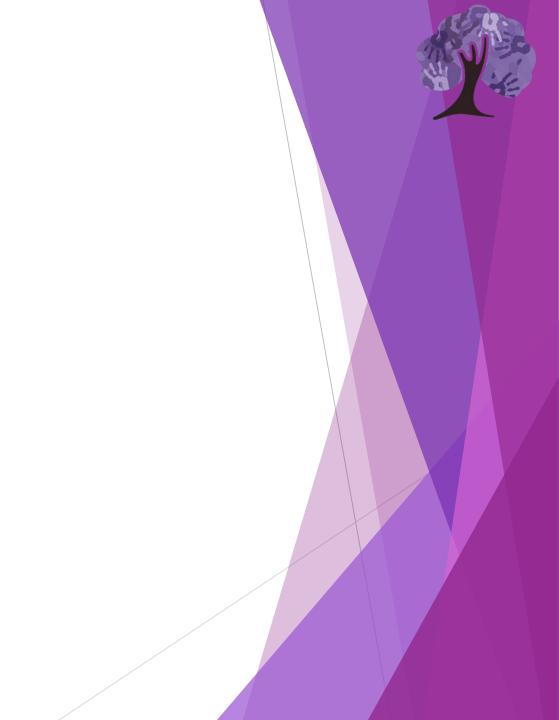
#### **IMPACT**

- ▶ DT learning is recorded in sketchbooks across the school. We encourage children to treat their sketchbooks like journals and their thoughts and learning are recorded in a format that they would like to use, for example, using thought bubbles. Each child is unique and each sketchbook should be unique, enabling children to develop their independence and creativity.
- ▶ Teachers assess children's knowledge, understanding and skills DT by making observations of the children working during lessons. Each session has key assessment questions that will be discussed. Feedback given to children by their peers or teachers is in the form of post-it notes over the learning so that their DT is not marked in the process. Children are also encouraged to be critical of their own work, highlighting their own next steps. After each half term's work assessment grids are completed by class teachers, showing children's attainment. After the assessment grids have been updated, the DT leader analyses the data and provides feedback in order to inform and improve future practice.

#### IMPACT - PUPIL VOICE/BOOK LOOK



## IMPACT - STAFF VOICE



## NEXT STEPS: