



## Subject: Design & Technology

### Rationale

At Pleasant Street Primary School, we want to encourage our pupils to develop a love of Design and Technology, including Cooking and Nutrition, and to understand it's relevance in today's society.

We encourage pupils on their own creative journey where they have the opportunity to learn new life skills through exploration, designing, making and evaluating; which are key to a successful end product.

Following an iterative process during D&T will build their resilience and resourcefulness and build on their knowledge of healthy eating to enable them to make sensible choices. We want them to have no limits to what their ambitions are and grow up with aspirations to work in a wide range of professions.

### Characteristics

Pleasant Street Primary School aims for our pupils to gain new skills through the teaching of D&T, which will develop pupils to be resilience, resourceful, responsible and reflective.

The National Curriculum for Design and Technology aims to ensure that all pupils:

- Develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world
- Build and apply a repertoire of knowledge, understanding and skills in order to design and make high quality prototypes and products for a wide range of users
- Critique, evaluate and test their ideas and products and the work of others
- Understand and apply the principles of nutrition and learn how to cook

Through a variety of creative and practical activities, pupils are taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making.

They do this through the 4 areas of Designing, Making, and Evaluating and Technical knowledge

### Curriculum Intent

Design and Technology at Pleasant Street gives pupils the opportunity to explore their creativity and imagination enabling pupils to create products that are functional, purposeful, innovative, and original for the intended user. Design and Technology gives pupils the chance to learn and evaluate the work of contemporary designers, engineers and chefs and also those from the past, who have had an impact on the world we live in.

Design and Technology provides pupils the chance to develop and extend skills in the all areas of D&T and following the 'plan, do review' model pupils can solve problems and take risks, continually evaluating their work.

The work in Design and Technology should also support other curriculum areas to enable pupils to apply their problem solving and critical thinking. D&T also develops the introduction of new vocabulary relevant to each new project.

### Curriculum Implementation

At Pleasant Street Primary Design and Technology is taught in two/three week blocks, and pupils will cover a D&T topic once every term.

Pleasant Street D&T curriculum covers textiles, mechanisms, structures, CAD and Cooking and Nutrition as laid out in the National Curriculum. It ensures that each pupil develops their skills and techniques in a way appropriate to them, through clear differentiation and support, active and purposeful experiences, which build on pupil's prior learning.

A carefully considered curriculum ensures that pupils experience a range of tasks that focus on specific skills and practices whilst meeting the key objectives for each year group and also the introduction of new vocabulary relevant to each new project.

Design projects are intended to be 'real', to inspire pupils to create products relevant to themselves and the world around them.

Encouraging each pupil to evaluate their products and that of their peers building on their work in Literacy speaking and listening.

The D&T lead regularly monitors work and gathers feedback from both pupils and teachers, to enable future development and improvement in D&T.

### Curriculum Impact

At the end of each D&T projects at Pleasant Street pupils will have learnt, improved and embedded a range of technical skills. They will have an awareness of designers, engineers, architects and chefs.

Pupils are encouraged to be accurate in their approach to making in order to achieve successful outcomes incorporating cross curricular links with mathematics in shape and measure.

Pupils at Pleasant Street will confidently explore, experiment and take risks, placing value on the iterative process and the learning journey they take, not just on the finished product.