



Design and Technology

Design and Technology is an inspiring practical subject. Using imagination and creativity children investigate, design and make products that solve real life problems. Children learn how to take risks, become resourceful, innovative and enterprising members of our community. High quality design and technology education makes an essential contribution to the creativity and culture of our school community.

Aims of Design and Technology

The National Curriculum for Design and Technology aims to ensure 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
- 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

Foundation Stage Content

Explore—a range of construction kits and a wide variety of materials e.g. play dough, clay, wire, wood, plastic, reclaimed materials, fabric and food, paints

Investigate—uses of different materials e.g. appropriateness of adhesives and chosen materials, cloth, cardboard, paper, bricks, soil, sand etc.

Communicate—using the correct language for and use of a range of tools and equipment

Design—using imagination and creating what they have imagined

Food—identify healthy food

Key Stage 1 Content

Design—purposeful and functional products, generate ideas through communicating, drawing and modelling

Make—select from a range of tools, equipment and materials to perform practical tasks

Evaluate—explore and evaluate a range of existing products and their own ideas against their work

Technical Knowledge—explore and use mechanisms (levers, sliders, wheels, axles)

Cooking and Nutrition—use basic principles of a healthy diet to prepare dishes and know where food comes from

HEALTH AND SAFETY

- Pupils will be taught to use the correct tools for tasks.
- Tools must be used under the supervision of an adult.
- Pupils must consider health and safety issues and consequences and operate in a safe and hygienic manner
- Risk Assessments will be included in the planning and reviewed annually.
- The DT leader will keep staff informed about the latest up to date Health and Safety updates

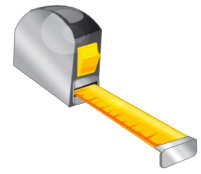
Equal Opportunities and Inclusion

All pupils irrespective of ethnicity, religion, gender or ability are given equal access to the Design Technology curriculum where possible. Able, gifted and talented pupils will be supported through the subject developing analysis, thinking skills and evaluation techniques. Teachers aim to be sensitive to design problems linked to ethnicity and religion.



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- Pupils will be taught the dangers of using tools inappropriately



How to help your child at home.

- Exploring and experimenting with different materials.
- Finding different ways of fixing materials together.
- Thinking of your designs and working out on paper first what it would look like and the resources needed.
- PVA glue, sellotape, masking tape stapler, hole punch, stapler scissors are some of the tools needed to learn to use appropriately for a task.
- Examining designs of products you may buy at the shops.
- Talking about the different aspects of products

Values



Each term our school values are linked into our DT sessions along with other areas of the curriculum.

Examples of how we integrate these:

APPRECIATION: To value others efforts, designs and creations

TOLERANCE: To accept your own and others ideas.

RESILIENCE: Encourage and praise for trying to experience something new or strange.

FRIENDSHIP: To try different activities working with a friend co-operating together

PEACE: To stay calm and work as a team and think of others around you.

HONESTY: To evaluate your designs and creations realistically

RESPONSIBILITY: To work as a team, be aware of your actions and the consequences of them. Take turns and be fair

LOVE: Put your heart into what you believe and go for it!

COURAGE: Try and do your best by taking small steps to achieve confidence.

RESPECT: Respect others ideas and designs

CO-OPERATION: Working as a team to plan, design, make and evaluate.

Useful Websites!

<http://www.teachingideas.co.uk/dt/contents.htm>

<http://primarygamesarena.com/Design-and-Technology>

<http://www.dtonline.org/>

Living Values

We are a Living Values school. Each month we link our chosen Values within each area of the curriculum. Through our Values and our SMSC (Spiritual, Moral, Social and Cultural) education we aim to enable pupils to develop their self knowledge, self esteem and self confidence. This is how we help pupils to understand right from wrong and to respect other cultural differences.