



Design & Technology Policy

Approved by SLT on:

25th April 2023

Review Date:

Summer Term 2027

BARLEY LANE PRIMARY SCHOOL

DESIGN AND TECHNOLOGY POLICY

Contents

Intent.....	2
Implementation	2
Safety.....	3
Food technology.....	4
Impact	4
Linked Policies.....	4

We aim to Believe in Ourselves, Learn together, Persevere and Succeed. In order to achieve this, and to achieve national standards for all of our children, we aim that our children:

- Communicate clearly and respectfully
- Have a good knowledge of the world and how history has impacted on this
- Develop cultural appreciation through rich and valuable experiences
- Show resilience, especially when faced with new situations

Our curriculum is underpinned by our five core values: Compassion, Honesty, Respect, Responsibility and Resilience. We aim to widen the life experiences for our children, with a particular focus on cultural and creative experiences. It is our intention that we provide regular opportunities for our children to visit different places of interest, experience the work of different international artists and to visit museums and places within their locality. These are designed to be memorable learning experiences which help to build character.

Intent

At Barley Lane, we aim to provide a wide range of learning experiences that help children to learn more, remember more and make connections across subjects. The Design and Technology curriculum focuses on creativity and imagination to design and make products that solve real and relevant problems within a variety of contexts. Children are taught direct skills and to draw on a range of subjects in order to take risks and develop a critical understanding of the impact on daily life and the wider world. Planning is adapted to reflect the diversity of the community that is served.

Implementation

Teaching and learning in Design and Technology will:

- 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
- enable children to evaluate and test their ideas and products and the work of others
- enable children to understand and apply the principles of nutrition and learn how to cook.

Children will be given the opportunity to work individually, in groups and as a whole class. Each unit of work should include opportunities for children to design, make and evaluate. Children will be guided into choosing appropriate materials and equipment and planning their own projects.

By the end of each key stage pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme of study as stated within the National Curriculum. In the Early Years Foundation Stage, Design and Technology forms part of the learning children acquire under the 'Knowledge and Understanding of the World' branch of the Foundation Stage curriculum.

Planning lists the specific learning objectives, expected outcomes, methods of teaching, differentiation and the resources required within lessons. It also takes into account reinforcing prior learning or practicing specific skills as well as acquiring new knowledge and skills. Challenging activities should also be planned for to ensure sufficient progression is made as the children move up through the school.

Work will be recorded in sketch books and will record the whole process from design to evaluation. Three-dimensional work can be displayed in the classroom and be photographed for the child's book.

Safety

Every Design and Technology lesson should begin with a basic reminder about safety where applicable.

- All tools should be put down the moment they are no longer in use. Never allow children to walk across the room with a tool and never allow children to use tools away from the designated work area
- Never use tools directly onto the table surface, always use a cutting mat, bench hook or wooden block where appropriate
- Make sure children know how to use the tools available to them correctly. Teachers should provide adequate workspace and insist that all work areas are kept tidy
- All children must wear safety gear for protection where necessary.

Safety Advice for specific Design and Technology resources

- Saws – 1 saw to each vice/bench hook. Children should stand up and saw gently. To be used under supervision only
- Vice/Clamp – These should be secured by the teacher
- Craft Knives – Blades to be retracted immediately after use. Craft knives are to be used under supervision only and when using a cutting mat
- Safety snips – These can be used to cut dowel etc. Always wear safety goggles and point the wood downwards, as it is likely to shoot off

- Hammers – Check the heads before every use and never allow children to bang two heads together
- Sandpaper – Wrap sandpaper around a wooden block and mind your fingers.
- Glue – Never used solvent based glues or wallpaper pastes which contain fungicide. Always check glues carefully before use
- Glue Guns – Always stand upright, wipe off excessive glue immediately after use, always take the work to the glue gun. Ensure that the wires are not twisted and that the workspace is clear
- Spray adhesives/sealants are not to be used in the presence of children.
- All electrical equipment should be checked annually. Warn all children of the dangers of the misuse of mains electricity

Food technology

Food technology is planned into the curriculum so that classes take part in a food technology lesson at least every half term. Children are taught how to cook simple recipes and apply the principles of nutrition and healthy eating. This is a crucial life skill and will enable children to be able to make healthy choices and to feed themselves well.

Impact

Design and Technology projects will be evaluated by the children and their peers. Teachers will assess the skills that the children have learnt and use their assessments to inform future planning.

Through high quality teaching and learning, children will be able to use their creativity and imagination to plan, design, make and evaluate a range of projects. They will have the confidence to take risks and be resourceful, innovative and enterprising citizens whilst always considering future sustainability.

Linked Policies

Teaching and learning Policy
Curriculum Policy
Art Policy
Display Policy
Assessment and Feedback Policy