

# St Saviour's C of E Academy

## Design and Technology Policy

Autumn 2021

Review date Summer 2023

### Intent:

At St Saviour's Academy, Design and Technology is an inspiring, rigorous and practical subject. It can be found in many everyday objects children use. Children gain inspiration through engineers, designers and chefs to enable them to create a range of textiles, structure, mechanisms and food products, with a real-life purpose. Design and Technology encourages children to learn to think and intervene creatively to solve problems both as individuals and as members of a team. We combine skills, knowledge, concepts and values to enable children to tackle real problems. It can improve analysis, problem solving, practical capability and evaluation skills. We aim to link work to other areas of the curriculum such as; mathematics, science, history, geography, computing and art.

Children experience DT through

- Real life contexts/problems
- Problem solving
- Online research/learning
- Visits/visitors
- Class discussion
- Hands on experiences
- Group work
- Cross curricular links
- STEM activities

DT is assessed by

- Children's work in books
- DT projects
- Pupil interviews
- Age related expectations

With relation to

- Knowledge of tools, materials and equipment
- Ability to record and communicate their design ideas in a clear manner

- Ability to explain what they have created and how
- Ability to use tools and materials safely and effectively
- Ability to evaluate their work and the work of others

### Aims:

In teaching D&T, we aim to help pupils:

- Develop their design and making skills
- Develop their knowledge and understanding of design and technology
- Use a wide range of tools and materials
- Learn about working safely and the use of protective measures
- Work individually and collaborate with other pupils in a variety of contexts
- Develop the capability to create products of a high standard through skills and understanding
- Evaluate products, made by themselves, their peer groups and companies
- Explore the man-made world and encourage discussion of how we live and work within it
- Develop an interest in and understanding of technological processes and the role of manufacturing in society
- Learn the principles of nutrition, healthy eating and how to cook

### Teaching and Learning:

Design and Technology is taught in each year group based on the 2014 National Curriculum objectives. D&T lessons support the development of purposeful and functional products for the children and others. Differentiated activities or teacher/TA support is planned to ensure all children make progress for the process of designing, making and evaluating products using technical knowledge. All lessons should be purposeful and inject a sense of excitement and anticipation as to what the children may be investigating next. All lessons should be focused around the objectives of the National curriculum. Where possible- links to real life should be made. Opportunities for cross curricular learning and STEM activities are encouraged and for children to learn through discovery and play.

### Resources and equipment:

Materials and equipment are centrally stored to ensure that all pupils have access to the necessary resources.

Pupils may occasionally be asked to bring in materials from home if they can, however, to allow all pupils the same opportunities these items will be provided for pupils who are unable to do this, wherever possible.

At the end of the school year, in preparation for the new year, the subject leader will assess the D&T equipment to ensure that there is sufficient equipment for pupils.

### Health and Safety:

In order to ensure the best learning experience, pupils are allowed to access a range of materials in D&T sessions. However, health and safety concerns are a priority.

- Personal Protective Equipment (PPE) (gloves, eye protection) is available for relevant activities.
- The risk of each task is assessed by the classroom teacher and subject leader before lessons.
- Pupils are supervised at all times during D&T lessons.
- All tools, such as glue guns, are checked before use, by the class teacher. It is the duty of staff to recognise and assess potential hazards and the risks associated with working with food and other materials- especially relating to intolerances or allergies.
- All pupils are taught how to use equipment properly by the class teacher before use.
- Pupils are only allowed the use of a lower temperature glue gun, under 1:1 supervision – staff use this equipment at all other times.
- Perishable food is stored sensibly and refrigerated if necessary. Staff are responsible for checking sell by and use by dates.
- If any food preparation is completed in classrooms, all surfaces to be cleaned before and after use.
- Parent helpers must be supervised when food preparation takes place with groups of children.
- Staff are responsible for checking that all cupboards, table tops and work areas are clean and in working order.

### Monitoring and Review

This policy will need to be read in conjunction with the following school policies

- Teaching and learning policy
- Marking Policy
- SEN policy
- Equal opportunities policy
- Health and Safety policy

- Science policy

The policy will be reviewed every three years by the D&T subject leader and staff.

The scheduled review date: Summer 2023