Kincraig Primary School and Nursery

Design and Technology Policy

Last Updated September 2021

Kincraig Primary School and Nursery, Blackpool
Design and Technology Policy

Philosophy:
Design and Technology forms an important part of the balanced curriculum for our children. By following a clear set of aims, we seek to provide pupils with a range of skills, concepts and knowledge necessary to express their ideas and experiences in a visual or tactile form. Design and Technology activities should develop children's imagination and be a means of personal expression. They should promote a positive attitude and build on children's self-esteem and confidence within the subject.

Whilst Design Technology is essentially a practical subject it should provide opportunities for reflection and pupils should develop the ability to make informal critical responses to their own work and that of others.

Subject Aims:
- To give children opportunities to investigate the characteristics of a variety of materials.
- To give children the opportunities to investigate principles involved in various mechanisms and structures.
- To encourage children to apply their increasing knowledge to design and technology tasks.
- To teach children the correct, safe usage of tools encountered in the design and technology process.
- To encourage children to work in a systematic manner.
- To encourage children to evaluate their work.
- To encourage children to be increasingly aware of the health and safety aspects of design and technology.
- To promote a positive attitude towards the arts.

Content:

Within the Early Years Foundation Stage (EYFS) our youngest children will be given the opportunity to explore a wide range of construction kits, collage equipment, textiles activities, using appropriate tools and art materials. In order to tap their artistic potential, the children will be encouraged to develop their own creative ideas through accessing continuous provision and through adult led activities. Children will work towards achieving their Early Learning Goals within Expressive Arts and Design (EAD) and Physical Development (PD)

As children leave the EYFS and progress into Key Stage 1, The National Curriculum objectives are used as a basis upon which the teaching of Design and Technology is planned. They are also used as a guide for assessing a child's progress. A whole school scheme of work is planned which will allow for a progression of skills, knowledge, understanding and the development of individuality and imagination. A wide range of resources are available which are under continual review to enable teachers to deliver the curriculum effectively. The content is planned so that all pupils can cover it successfully at their own level and are able to access a broad and varied range of activities.

Throughout all year groups, children will study the work of other sculptors and crafts people and learn about the impact and influence these people have had on the world of Design and Technology.

In Design and Technology, children acquire and apply their knowledge and understanding of:
- A range of different Materials and their properties.
- A range of skills and processes used to design and create.
- A range of mechanisms, structures and control systems.
- A basic understanding of food safety and hygiene.

The children also use their skills,
- To investigate and analyse existing products.
- To draw, label and create a range of different products.
- To evaluate and assess their designs and make improvements.

Methodology:

The teaching of Design and Technology is organised into units. Using the National Curriculum a list of objectives has been created to incorporate all skills which need to be taught within a specific year group. Teachers incorporate these objectives within their topic in order to offer children a range of activities making cross-curricular links. The activities aim to promote a positive attitude and build upon the children's knowledge and understanding. This is achieved through,

- Direct teaching.
- Providing children with real, hands-on experiences incorporating visits and visitors.
- Using a wide range of prepared materials and resources.
- Using a variety of different techniques and tools, making cross-curricular links.
- Organising and allowing children to participate in a range of practical tasks.
- Children collaborating with others in the design and making process.

Within classes, pupils can be taught as a whole class, in groups or individually.

Design and Technology resources are stored in an allocated stockroom for which all staff have access. Individual teachers collect and return resources. It is the responsibility of the co-ordinator to review the ordering of resources and their use and ensure the area is resourced at all times.

Health and Safety:

Whilst children are to be encouraged to be aware of the possible hazards in design and technology, it is the teacher's responsibility to ensure that the working environment is safe and that procedures are carried out safely. Consideration should be given to the following:
- Space should be adequate to allow safe working conditions.
- Work surfaces should be suitable for the task being carried out.
- Tools should be stored safely.
- The suitability and health and safety aspects of materials to be used must be considered.
- Appropriate protective wear must be used where necessary.
- All other health and safety measures must be adhered to.
- Risk Assessments should be read before using equipment by all staff involved.

Evaluation and Review:

Evaluating pupil's progress will be an ongoing activity in Design Technology.
Evaluation methods will include:
1. Assessing pupil's work and achievements against the National Curriculum objectives.
2. Reviewing coverage, assessing whether the objectives for individual year groups have been met.
3. Analysis of teacher planning – included on weekly planning sheets and topic webs and collation of the children's sketch books.
4. Classroom observations and discussions with groups/individual pupils.
5. Staff discussion.

The individual co-ordinators' will monitor their area of on a regular basis, in accordance with the School's Monitoring Policy.

This policy will be evaluated in terms of how far it meets the aims identified. It will be reviewed in line with the overall progression and development of skills for the review of policies.

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The Design and Technology Policy at Kincraig Primary School and Nursery will be reviewed and modified on a regular basis at least every two years. It is possible to add amendments to this document prior to a review and these will be incorporated into the next issue. To add comments please complete the information on this sheet adding the date and signing where indicated.

Name of person responsible for this policy – Julie Norris

Signed _____   Date _____

Date	Proposed Amendment	Signed