

Ewanrigg Junior School
Design Technology Procedure

At Ewanrigg Junior School we are committed to providing all children with learning opportunities to engage in design and technology. At Ewanrigg Junior School we believe that design and technology is about designing and making products for a specific need or purpose. It involves children in learning about the world we live in and developing a wide range of skills through designing and making. It helps children learn vital skills such as how to think through problems creatively, how to organise themselves, how to work with knowledge and practical skills to bring about change and to shape the environment. Through design and technology children become discriminating and informed users of products and become innovators

Aims

Our aims in teaching Design and Technology are that all children will build upon their natural enthusiasm for making things and to:

- find enjoyment in designing and making things for themselves
- give every child an awareness of how things are designed and made in the world around them
- encourage confidence and skill in designing and making according to ability
- develop skills in handling materials and tools
- develop appropriate vocabulary to help them to understand their work and the work of others
- appreciate and evaluate their own achievements and those of great inventors and engineers
- nurture creativity and innovation through designing and making.

Teaching and learning style

- *All lessons have clear learning objectives which are shared and reviewed with the pupils effectively*
- *Lessons make effective links with other curriculum areas and subjects, especially English, Mathematics and ICT*
- *Activities are challenging, motivating and extend pupils' learning*
- Children in their designing and making will apply knowledge and skills of: textiles, food, mechanisms and structures.

- All design and making assignments will provide learning opportunities for developing creativity through designing skills such as generating, exploring, modifying ideas through drawing, and modelling with materials.
- Topics are planned with class teachers working in groups and emphasising links with other curriculum areas, especially Science, and plans are carefully balanced to ensure full coverage of the National Curriculum requirements.

Long Term Plans

A two year cycle is planned in line with the New National Curriculum. From the long-term plan the medium term plan can be completed.

Medium Term Plans

Upper and Lower school teams will complete medium term plans. Medium term plans are usually completed for a 6 - 8 week period these will be slightly more in depth than the long term plan and provide an over view of what will be taught in each lesson. The medium term plan will be used to develop a daily lesson plan.

Assessment

During each lesson the teacher will monitor progress and adapt the teaching according. . Teachers' assessment takes place at the end of each unit of work, noting any attainment and progress which is significantly lower or higher than expected. Teachers analyse pupils' progress in the units of work they have completed at the end of each school year to complete the annual report to parents. This report takes the form of a summary of the teachers' observations and continued assessment of the pupils at work thus giving parents a view of what their children know, understand and can do.

The Learning Environment

Resources for the unit of work being covered should be appropriately accessible. Other sources of information should be available.

Health and Safety

Risk assessments are to be undertaken before a unit of work when involving cooking or use the of tools.