

Design and Technology

Intent

At Emerson Valley Primary School, we intend to develop a DT curriculum with appropriate subject knowledge, skills and understanding as set out in the National Curriculum Design Technology Programmes of Study. In order to fulfil the duties of the NC Emerson Valley School will provide a balanced and broad-based curriculum which promotes the spiritual, moral, cultural, mental and physical development of pupils and prepares them for the opportunities, responsibilities and experiences in later life. We believe that high-quality DT lessons will inspire children to think independently, innovatively and develop creative, procedural and technical understanding.

Implementation

- The Design Technology National Curriculum is planned for and covered in full within the KS2 school curriculum. Whilst the National Curriculum forms the foundation of our curriculum, we make sure that children learn additional skills, knowledge and understanding and enhance our curriculum as and when necessary.
- Delivery of design and technology projects with a clear structure. Each year group will undertake a construction topic, a textile topic and a food/drink topic.
- Delivery showing clear structure of the design process where each project will include research, design, make and evaluate.
- A range of skills will be taught ensuring that children are aware of health and safety issues related to the tasks undertaken.
- Clear and appropriate cross curricular links to underpin learning in areas across the curriculum giving the children opportunities to learn life skills and to apply skills to 'hands on' situations in a purposeful context.
- Design Technology focussed displays will showcase the outcomes throughout the school. These displays will celebrate exceptional practice and exemplify terminology and vocabulary used.
- Independent learning: children will solve problems and develop their learning independently. This allows the children to have ownership over their curriculum and lead their own learning.
- Collaborative learning: children will work as part of a team learning to support and help one another towards a challenging and rewarding goal.

Impact

- Children will have clear enjoyment and confidence in design and technology that they will then apply to other areas of the curriculum.
- Children will ultimately know more, remember more and understand more about Design Technology, demonstrating this knowledge when using tools or skills in other areas of the curriculum and in opportunities out of school.
- As designers, children will develop skills and attributes they can use beyond school and into adulthood.