

Curriculum Statement for Design and Technology

Curriculum Intent

The intent of Pensby Primary School's Design Technology (DT) curriculum is to fulfil the requirements of the National Curriculum in order to provide an ambitious, broad, balanced and inclusive curriculum that allows our children to develop their skills and knowledge in design, structures, mechanisms, electrical control and a range of materials, including food. Our curriculum encourages children's creativity and encourages them to think about important issues such as the quality of the products they are using, as well as the health and safety requirements of the equipment they use.

Curriculum Implementation

At Pensby Primary School, we have chosen to use 'Kapow Primary' designed by a team of subject specialists, to teach the Design Technology Curriculum in Key Stage 1 and 2. This enables our teachers to deliver creative, inspiring and engaging lessons and provides a progression of skills and knowledge. The Digital World strand of the curriculum is delivered by High Impact, a team of digital experts that also provide hardware for the children to use. Where possible, links will be made with other curriculum subjects, as these will often lend 'purpose' and 'user' for the products which children make.

Remote Learning

In line with our remote learning policy, the skills and knowledge in Design Technology is taught through Seesaw and will include a range of pre-recorded videos, model lessons, worksheets and activities using easily available resources found in the home.

Aims

Our curriculum aims to ensure that all pupils have:

- opportunities to develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world;
- the materials needed to build and apply a repertoire of knowledge, understanding and skills in order to design and make high quality prototypes and products for a range of users;
- the confidence to critique, evaluate and test their ideas and the work of others;
- the skills to prepare & cook a variety of foods whilst understanding and applying the principals of nutrition.

Impact

The impact of the DT curriculum is to ensure that our children are able to develop a critical understanding of the impact of DT on daily life and the wider world so that they are able to progress to secondary school with the knowledge and skills in a range of DT disciplines and the ability to show innovation and enterprise in their future studies.

EYFS

At Pensby Primary School, we follow the Early Years curriculum and the achievement of the Early Learning Goals for Expressive Arts and Design 'Exploring and Using Media and Materials' and 'Being Imaginative. EYFS pupils are taught in variety of ways through adult-led and supported tasks and child initiated learning in continuous provision areas. Practitioners will take into account the Characteristics of Effective Learning when they are planning, leading or supporting learning.

Key Stage 1 and Key Stage 2

The Kapow Primary Scheme of Work for Design and Technology for Key Stage 1 and 2 is taught at the discretion of the teacher, and the unit being studied, in either a block of lessons or in weekly sessions.

Cross Curricular Links

Design and Technology creates contexts for work in English, mathematics, science, art, PSHE and Computing. Primary Design and Technology also provides a firm basis for later learning in the subject, for example, in engineering, and a platform for developing skills in English and numeracy. Links to other areas of the curriculum can be supplemented through planning additional activity/fun days.

Integration

Integration at Pensby Primary School ensures that all children, regardless of their ability gain access to a curriculum that is supportive of their needs. In conjunction with Stanley School, we encourage integration across both schools so that our school communities develop a greater sense of community, one that celebrates diversity and is built upon mutual respect and tolerance. With well-planned support, all children are able to gain access to a full and comprehensive curriculum that celebrates all children's interests and skills.

Enrichment Opportunities

The Design and Technology curriculum is enriched in a variety of ways including:

- displays of work in school;
- designated topic days within school;
- visits to Pensby High School (Year 5 and 6)

Progression and Assessment

EYFS

Regular observations and assessments of learning are recorded using an on-line journal (Seesaw) and contribute to a summative assessment at the end of EYFS using the Early Years Outcomes for Expressive Arts and Design: 'Exploring and Using Media and Materials and 'Being Imaginative'.

KS1 and KS2

Formative assessments of pupils' learning are made and assessed through observations and classwork and shared as evidence on SeeSaw. These assessments contribute to a summative judgement at the end of each term against the Design & Technology statements found on Depth Of Learning.

