Design and Technology

DODDINGHURST INFANT SCHOOL

"Technology makes what was once impossible, possible. The design makes it real"
~Michael Gagliano

DT is part of our 'creative arts' curriculum. It is used in meaningful cross curricular context to contribute to our learning.

Sharing Children's Work

At Doddinghurst Infant School we take great pride in all the work that the children create. We ensure that work produced during 'Design and Technology' is displayed. Sharing creations on our Seesaw blended learning platform ensures that our home creations as part of blended learning, is celebrated.

Seesaw

We also have a regular sharing hour where parents are invited to look at the children's fantastic work with them. This provides a great opportunity for the children to talk about the processes they went through to achieve the final result.

Clubs

There are a variety of school clubs available to children to broaden their experiences in a smaller setting for KS1 children.

The type of club available varies according to what the children have chosen to select.

THE COOKING CLUB

Examples of design and technology clubs so far have included Lego Club, Cooking Club and Construction Club.

'Lego Club' always proves very popular. Children work in pairs to solve problems, build structures and explore and use mechanisms.

Some examples have included constructing 'The Strongest Bridge' competition which was judged on how much weight it could hold.

Intent

Our curriculum is devised to ensure that all pupils:

- develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.

- build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users.

- critique, evaluate and test their ideas and products and the work of others.

- understand and apply the principles of nutrition and learn how to cook.

- Choose and use appropriate tools and handle them safely and independently with developing skill.

EYFS Development Matters and The National Curriculum Key Stage 1

Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values.

They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens.

Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation.

What can I do at home?

- Look at products in the home. What types of packaging are they in? Look at shapes, materials used and the purpose. E.g. what are the similarities and differences of cereal boxes and egg boxes?

- Let your children create and invent models using a range of tools and materials (recycling is great).

- When built, help them to evaluate

    What went well?

    Even better if?

    If they made it again, what would they do differently?

- Plan, prepare and make food, choosing and using tools safely. Can they help to create healthy snacks and meals?

You may also like make creations using construction toys:

Mr Maker episodes

https://www.youtube.com/watch?v=k9oYOIALE1o

Bits and Bobs episodes

https://www.dailymotion.com/video/x19wtoc

Share your work on Seesaw!