



LOUGHTON CURRICULUM DESIGNERS & TECHNOLOGISTS

Welcome to this edition of our curriculum newsletter focused on Design and Technology (DT)! Each year group works throughout the year on exciting DT projects related to their themes. At Loughton School, we aim to make Design and Technology both fun and practical, giving children the opportunity to solve problems and develop their own creative ideas, both on their own and as part of a team. Throughout the year, the children will design, build, and evaluate their projects. In addition, each year group will also take part in a cookery unit, where they'll create a dish related to their theme.

Autumn term

During the Autumn term a number of the year groups have been hard at work with their DT projects. Year 3 kicked off in the Autumn term designing and making their own felt bookmarks incorporating the use of textiles and learning cutting and sewing skills. In year 6 the children used pneumatics to power the firing mechanism for their WWII tanks. Year 5 created and built their own Moon buggies (linked to their Space theme) using pulleys and electrical components to power its movement.

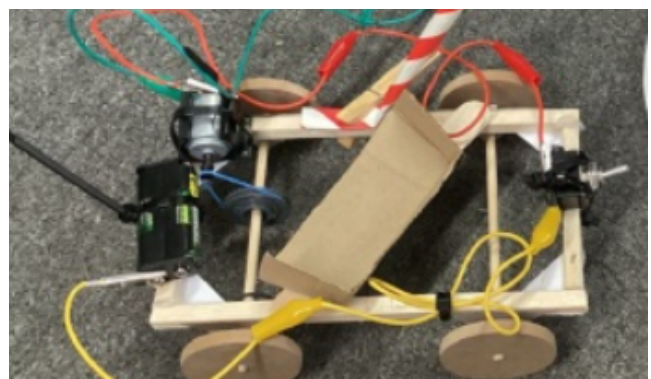


Spring term

During the Spring term the children have been busy cooking. The children have learned the necessary cookery skills of cutting, mixing and preparing fresh ingredients to help them produce some delicious food creations. Year 4 have prepared and cooked various Indian dishes for their Indian meal. Each class undertook a different Indian dish, culminating in the whole year group sitting down to a banquet. While Year 3 have cooked extremely tasty fruit and savoury scones linked to their Kings and Queens theme.



Some of our DT highlights



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SUMMER TERM

The Summer term will see another crop of DT projects being completed across the school. Year 3 have already been designing and building Royal carriages to link to their Kings and Queens theme. Year 4 have been constructing Roman catapults and testing and evaluating their effectiveness. Year 5 and 6 children will soon be undertaking their cookery units with Year 5 creating a meal using healthy fresh produce to fit in with their theme of healthy living. Year 6 will be producing South American food in line with their study of the Mayans. Lots of exciting work in the DT curriculum still to look forward to.

Where might this lead in the future?

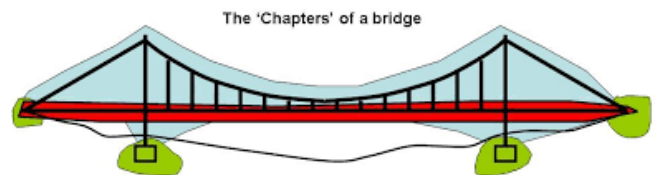


Red Bull Racing - one of Milton Keynes World leading design and technology companies.

DT ENRICHMENT

DT enrichment tasks are planned to take place in the Summer term.
WATCH THIS SPACE!

Will the children be able to construct a sturdy bridge out of simple materials?



Useful websites:

- <http://www.foodafactoflife.org.uk/> - Lots of Food Technology information
- <https://www.lego.com/en-gb/themes/letsbuildtogether/365-activities> - Links to Lego building
- <https://www.exploratorium.edu/pie/ideas.html#page> - They have an idea library that shows models that could be made
- <http://www.howstuffworks.com> - Some good food ideas.

**Could you be a future
Formula 1 car designer
or an engineer?**