Shine as Lights in the World
Philippians 2.15

Welcome to the latest instalment of our Curriculum Newsletters! I have the wonderful job of telling you all about our Design and Technology curriculum at Wychwood. We endeavour to help children feel confident and masterful in a range of skills and techniques. We value D.T. because it allows children to use both their scientific brains, as well as their creative flares to construct marvellous designs.

At Wychwood, we follow the 'Design, Make, Evaluate' process which allows children to turn abstract ideas into reality.

Design: Before building, we research, brain-storm and plan the best way to create something fantastic!

Make: This is the hands-on phase where children will use the materials, tools and skills as planned to start constructing. During this phase, practical and technical skills will be introduced and strengthened.

Evaluate: Once the project has been completed, the children will evaluate them. *Does is achieve what I wanted it to? Could I have done anything differently? Is it easy to use? What works or went really well?*

Below you will find an overview of what your chid will be learning in their D.T. lessons across this academic year.

Key Stage	Term 2	Term 4	Term 6
KS1 LKS2 UKS2	Sewing (Leave a spot on the Christmas tree!)	Materials and structures	Electrical Circuits

Our D.T. curriculum is designed to ensure your child will be able to learn and build on knowledge, skills and techniques across their time at school.

EYFS

D.T. in the Early Years comes under the umbrella of 'Expressive Arts and Design'. A key element of this is creating with materials. This can include: making structures, using junk modelling (recycled materials) to create something, using tools such as paintbrushes, clay tools and scissors. By engaging in playful, open-ended making at an early age, children develop the mental frameworks and practical skills required for more complex engineering and design tasks later in life. In our Foundation Stage, this is achieved through providing these opportunities in their continuous provision in the construction area, woodwork area and art area. Your child will also be given specific teaching input for example, creating terracotta warriors with clay tools and making gingerbread men.

Activities and toys for home

- Cooking and baking
- Lego
- K'nex
- Sewing
- Building blocks

- Electrical circuit game - https://www.amazon.co.uk/Thames-Kosmos-550041-Electric-Circuits/dp/B08TVYM5RS?source=ps-sl-shoppingads-lpcontext&ref_=fplfs&psc=1&smid=A3P5ROKL5A1OLE
- Woodworking set - https://www.amazon.co.uk/Totum-025042-King-Carpenter-Wooden-Hammer/dp/B00BNSILCM
- Make a structure step by step - https://www.youtube.com/watch?v=GS0ms32VsWE
- Sew a monster head - https://www.youtube.com/watch?v=4WeLXueyW3w

Podcasts:

Your Turn - Make Your Mark in Design: Hosted by design and technology researchers alongside a team of kids (ages 8–13), this show has children explore and explain how design works through hands-on home exercises. This resource can be found here: https://www.tudelft.nl/en/wetenschapsknooppunt/your-turn/podcast

Things to watch:

Another great way to engage your child with their D.T. learning is by watching different programmes. Engaging with these programmes and resources at home can significantly expand your child's interest in the world around them, how things work and the way things are made. Below is a list of suggestions of things to watch:

Key Stage	Programme Title/Where to find it	What it is about
EYFS/KS1	Doozers Hulu	Focuses on the "Pod Squad" (Daisy Wheel, Flex, Spike, and Molly Bolt) as they Design, Create, and Innovate to solve everyday problems in their community. It teaches kids about trial, error, and learning from failure.
	Team Umizoomis Nickelodeon and Paramount+	Features a mini superhero team—Milli, Geo, and Bot—who use shapes, patterns, measurements, and built-in gadget technology to fix broken objects and help friends around the city.
	Blazer and the Monster Machines Nickelodeon and Paramount+	Combines monster-truck action with STEM. Human driver AJ and high-tech truck Blaze use mechanical parts, tools, simple machines, and 3D design concepts to overcome obstacles.
Lower and Upper KS2	The Dengineers CBBC/BBC iPlayer	A live-action show where expert builders and designers collaborate with children to design and construct custom, one-of-a-kind dream dens (from secret spy rooms to music studios).
	Ask the StoryBots Netflix	Little creatures who live inside computers journey out into the real world to answer big kids' questions ("How does a computer work?", "How are things made?") through music, sketches, and field trips.
	Maddie's Do You Know CBeebies/BBC iPlayer	Presenter Maddie Moate explores everyday mechanics, how things are manufactured, and the large-scale infrastructure and design behind objects we use daily.

Places to visit

If you fancy a day out with a Design and Technology focus, the MAD museum in Stratford Upon Avon https://themadmuseum.co.uk/ is a great place to go!

Book recommendations:

At Wychwood, we strive to promote a lifelong love of learning and a strong interest in reading. A book is a fantastic way to continue their learning at home. Please ensure you read the reviews and general themes of the book to make sure they will be appropriate for your child. At the end of this newsletter, you will find a selection of books that your child may love to read. If you click on the book it will take you to a link on Amazon.

Helping at school

If you have a skill that lends itself to one of the units we will be covering this year and you would like to support us, please let us know. We are always so grateful for your continued support of everything we do.

Thank you for your support and taking the time to read this newsletter.

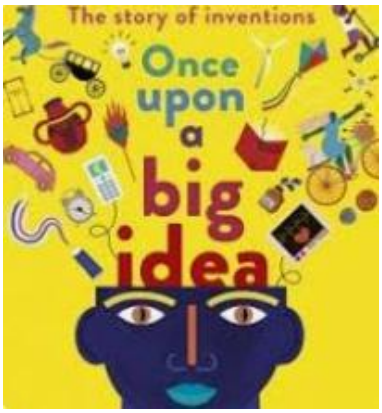
Miss Jackson

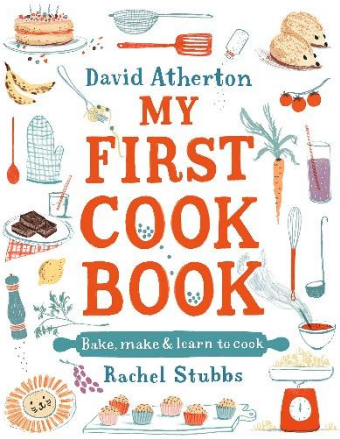
Design and Technology Lead

Wychwood CE Primary School

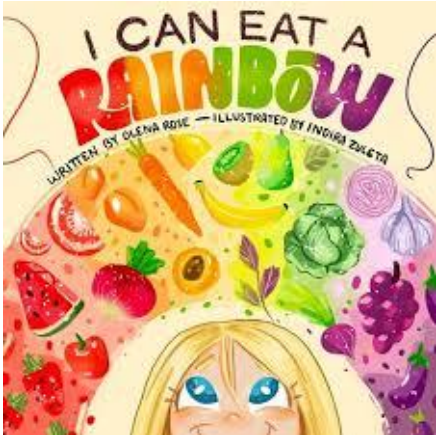
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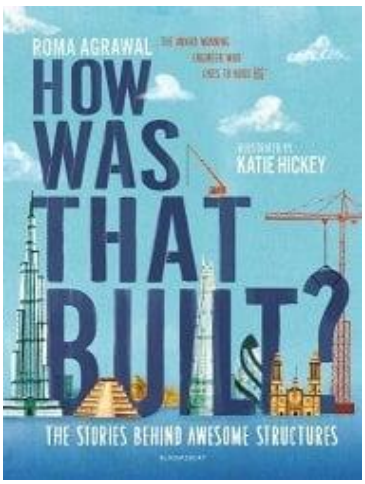


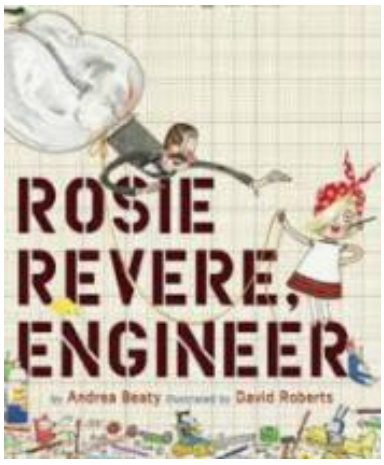




EYFS/KS1

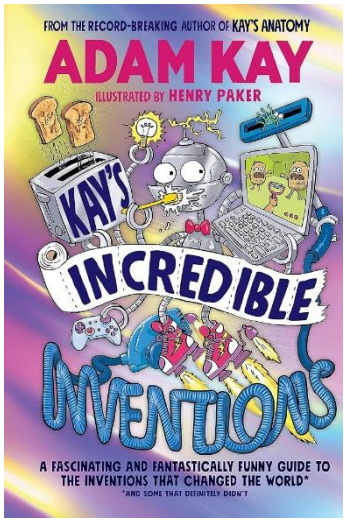


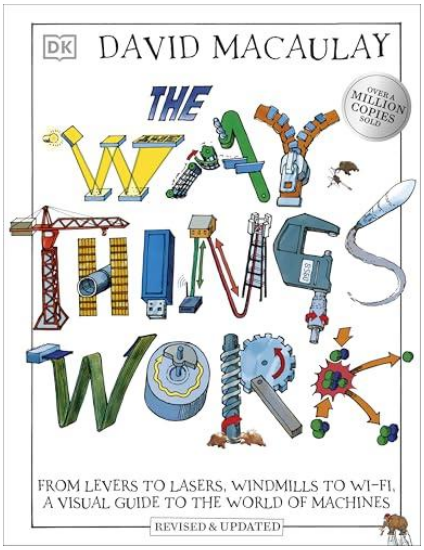


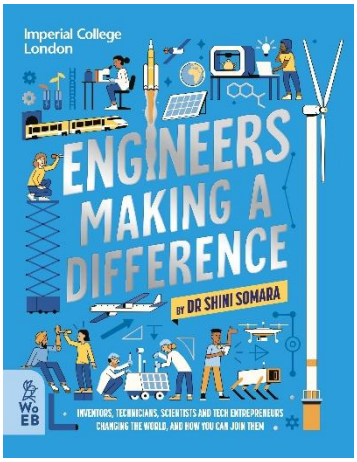


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Lower/Upper KS2

