

WELCOME TO:

Design and Technology



At Monkwick Infant and Nursery school we know that Design and Technology is all about users using things. Children design and make products based on users' needs. They examine products to see how and why they are made. They evaluate them and make suggestions of how to improve them. Products can be a whole range of items such as food, clothing, footwear, machines, toys, books, vehicles, lights, chairs. Through our high-quality lessons, we can also build children's resilience and help to embed our school ethos of 'we respect, we achieve and we learn.'

The national curriculum for Design and Technology aims to ensure that: Children develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world. To 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. To 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.





Design and Technology



Which skills will your child be covering?

How can you help your child?

What our children say about PE!



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Which skills will your children be covering?

DT has the 3 Ss: Something For Someone For Some use

| | Food | Materials | Textiles | Mechanics | Design Make Evaluate Improve |
|---------|---|--|---|---|--|
| N 2 | Spread at snack. Mix to make playdough. Roll dough. | Prit stick to bond. Tape to wrap. | Thread beads. | Explore push and pull toys. Levers, buttons, cogs. Cause and effect. | |
| N 3 | Spread at snack. Mix to make, knead and roll in a variety of recipes. | Prit-stick and PVA to join. Tape to wrap and cut. Hole punches. | Thread laces through punched holes. | Explore moving vehicles, push and pull. Glue wheels on boxes. | |
| R | Use cups to measure ingredients. Cut, peel, grate using knives and graters. | Prit-stick, PVA, tape, masking tape, treasury tags available for self-selection. Paper, card, textures and felt. Explore folding, tearing, cutting, use of spilt pins and paper clips. | Sew a running stitch using plastic needles and punched holes. | Make box vehicles, adding an axle through a box and add wheels. Pop up puppets. | |
| Yr 1 | Cut, peel, grate, slice. Measure and weigh ingredients. Assemble and cook. | Tearing and cutting. Folding to concertina and hinge. Saw, sand, glue. Mark out to the nearest centimetre. | Shape textiles and join them using a running stitch. | Make box vehicles attaching axles using pegs and dowel, add wheels OR a winding mechanism in the same way. | Design, make and evaluate- verbal. Explore starting points by exploring everyday products. |
| Yr 2 | Measure using electronic scales. Assemble and cook- knead. | Curling and applying Y1 folding skills to make a product. Collage, clay, wood. Shape a range of materials, and join applying learnt skills. | Shape textiles using a template. Join textiles using a running stitch. Decorate textiles using different techniques such as adding sequins. | Make a vehicle, by first making a frame from square dowel and card corners. Then adding an axle and wheels. | Explore starting points by taking inspiration from history. |

How can you help your child?

We know that our children love being creative and Design and Technology is so important for mental health and wellbeing. Supporting your children at home and having time to be creative will help reinforce what is being learnt in school.

- Build up a range of drawing and making materials at home, such as pencils, paints, glue and sellotape. These can be very cheap and are often easily found in pound shops.
- Let them do Art activities at home, such as drawing, painting and using junk boxes to make models.
- Talk to your child about how things are made and why they look like they do. Talk about how they think things can be improved.
- Talk about what things are made of. Ask them why they think things are made of specific materials.
- Talk about and let your child find out about famous artists, crafts people and architects. Encourage your child to be inspired by art and design that they have seen.
- Visit art galleries, the Science and Design Museums and look at buildings around your local area.
- Let your children watch TV programmes about arts and crafts such as Mister Maker on CBeebies. Watch some You Tube videos together that show you how to make things.

What our children say about Design and Technology at Monkwick Infant School!

“I made a clay mouse. I made a shape, and curved the tail. We did the whiskers with a fork.”

Shanaaz

“It is fun. I made a rocket ship or you can make houses. It’s good.

Abner

“ We made smoothies and we got to try them!”

Benedetta

“The sewing was amazing. I’m great at it.”

Pippa

“We sewed two things, a gingerbread man and the Queen’s Jubilee squares.”

Lenny

