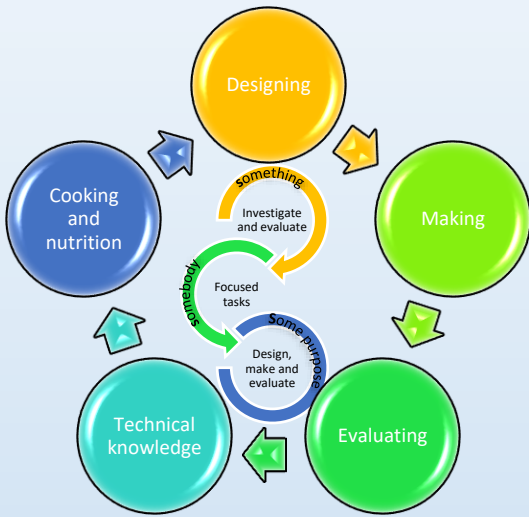


To study design and technology at Deanery CE Primary School



Our design and technology curriculum inspires children to be innovative and creative to enjoy making design decisions based on the intended user considering purpose and functionality.

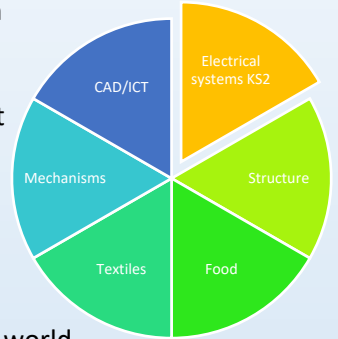


Children will learn the fundamental design and technology skills focussing on the three S's: **Something** for, **Somebody** for **Some purpose**, ensuring that their product has a user and a purpose.

They will develop the creative, technical and practical skills that are needed in everyday tasks confidently and to be successful in an increasingly technological world.

They will take part in investigative activities where they will explore and learn from a range of existing products and find out about design and technology in the wider world.

During focused tasks children are taught technical knowledge and skills that will allow them to be successful when making their own products. Children undertake three design, make and evaluate projects per year, creating high-quality functional products, with users and a purpose in mind.



Nursery

- Let's look at products, an anyway up cup, cutlery and slippers .

All about me / People who help us

Animals and pets / Growing

- Design, make and evaluate a salad to share at snack time.

- Design, make and evaluate a hat to wear in the sun.

Minibeasts / The seaside

Reception

- Design, make and evaluate a box to keep my special things in with a hinge or a catch.

Me and my community / Festivals and celebrations

Author – Julia Donaldson/ Food

- Design, make and evaluate a sandwich for a picnic.

- Design, make and evaluate a chair for baby bear
- Design, make and evaluate a picnic rug for the Three bears.

Big wide world/ Toys

Year 1

• Design, make and evaluate a moving red bus for children to use as part of their topic work

Mechanisms
Wheels and Axles

Structures
Freestanding structures

Design, make and evaluate playground equipment for children in reception class to use for role play in the small world area.

• Design, make and evaluate a fruit salad for the class to share with invited guests.

Food
Preparing fruit and vegetables

Year 2

• Design, make and evaluate a Christmas card for my family to wish them a happy Christmas

Mechanisms
Sliders and levers

Textiles
Templates and joining techniques

• Design, make and evaluate a traditional hand puppet for a child to use to retell a story.
Significant Person- Edmund Cartwright

• Design, make and evaluate a healthy fruit smoothies for a child to enjoy in the summer

Food
Preparing fruit and vegetables

Year 3

• Design, make and evaluate a pneumatic moving toy for a friend or themselves to play with for a fun moving game that doesn't require any battery's or electricity

Mechanical systems
Pneumatics

Structures
Shell structures

• Design, make and evaluate a desk tidy for themselves or a family member to keep their desks tidy and organised

• Design, make and evaluate a healthy pizza for themselves or a family member to show that popular takeaway foods can be created in a healthy and nutritious way at home.
Significant Person- Tom Hunt.

Food
Healthy and varied diet

Year 4

- Design, make and evaluate a Christmas stocking for themselves or a family member as a gift.

Textiles
2D shape to 3D product

Food
Healthy and varied diet

- Design, make and evaluate a flatbread for children to eat on the go

- Design, make and evaluate a buzzer game for children to use for fun and enjoyment with an element of challenge.
Significant person: Lewis Urry

Electrical systems
Simple circuits and switches

Year 5

- Design, make and evaluate pencil case with a zip fastener (product) for themselves or as a gift (user) to keep pencils and belongings organised (purpose).

Textiles
Combining different fabric shapes

Food
Celebrating culture and seasonality

- Celebrating culture and seasonality by making healthy burger and side dishes to explore new flavours and ingredients for themselves.

- Design, make and evaluate a tent with a frame for a family to use for recreation and protection from the weather.
Significant person: Isambard Brunel / Stephen Sauvestre

Structures
Frame structures

Year 6

- Design, make and evaluate cuisine from Asia for children to appreciate the legacy of migrants to Britain.
Significant Person: Heston Blumenthal

Food
Celebrating culture and seasonality

Mechanical systems
Pulleys and gears

- Design, make and evaluate cuisine from Asia for children to appreciate the legacy of migrants to Britain.

- Design, make and evaluate a moving fairground ride for younger children to play with their teddy bears

Electrical systems
More complex switches and circuits