



LOUGHTON SCHOOL

DT &

STEM



curriculum evening

- Thursday 21st September 2023

# Overview

- DT vision
- STEM vision
- Road map
- Year 3
- Year 4
- Year 5
- Year 6
- Where you can find out more about what your children are learning

# **At Loughton, DT:**

- is taught in each year group.
- includes a cooking unit in each year group.
- is taught through a range of topics including; mechanisms, textiles, food technology and electrical systems.
- encourages problem solving and critical thinking.
- is practical.
- encourages children to choose from a range of tools to fit the purpose (for example, cutting, shaping, joining and finishing).
- is enriched in technical knowledge.
- encourages children to cooperate and contribute in a group to ensure team success.
- is made up of 3 phases: designing, making and evaluating.
- relates to everyday life to give meaning to the children's learning.

# At Loughton, **STEM** :



- is the embellishment of DT.
- immerses and inspires the children with a real-life scenarios.
- gives children the opportunity to put what they have learnt in DT lessons into practice.
- develops strong links between our immersive curriculum and prior learning.
- is taught over one week in the summer term.
- encourages group work and discussion.
- encourages children to express their creativity.
- emphasizes the importance of safety and respect when handling specialised tools
- encourages children to use the skills learnt the previous year to develop independence and resilience.

LS

Year 3

Felt  
bookmark  
making

Royal  
garden  
party

STEM  
Making  
carriages

Year 4

Pizza  
making

Indian  
cooking

STEM  
Catapults

Year 5

Water  
rockets

Soup/  
bread

STEM  
Electronic  
vehicles

Year 6

WW2  
tanks

Bread  
pudding

Central  
American  
food

STEM  
computer  
program  
ming

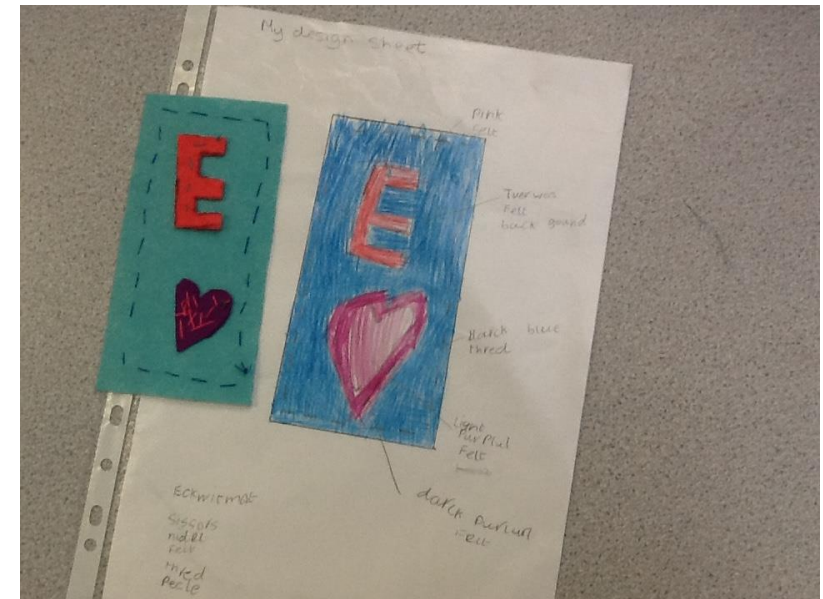
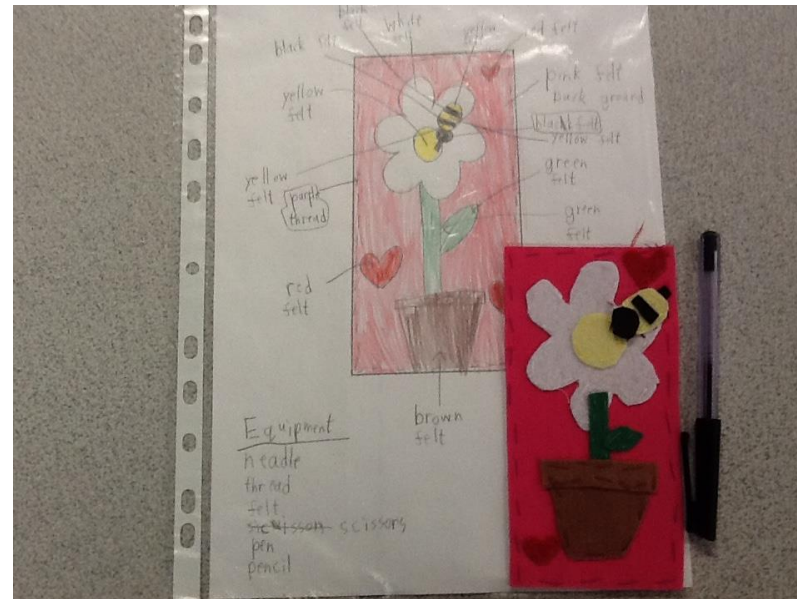
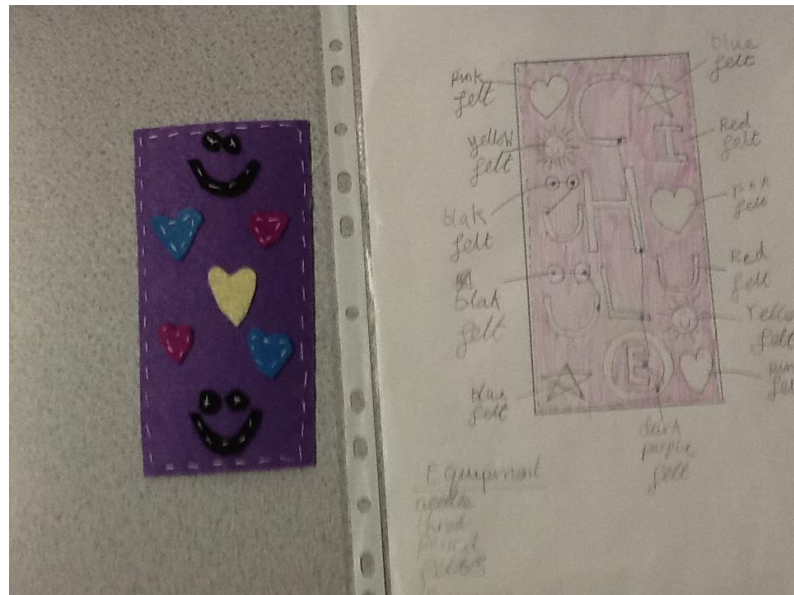
Cakes

# Design and Technology Curriculum Road Map



# Year 3

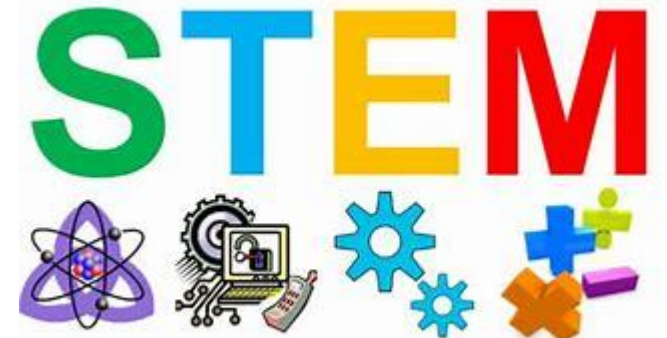
- Felt bookmarks
- Royal banquet





# Year 3

- Royal carriages





# Year 4

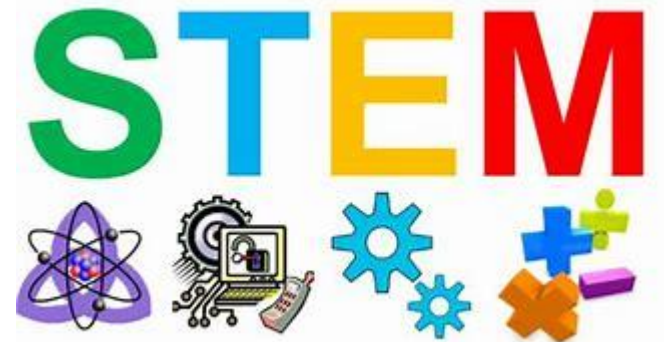
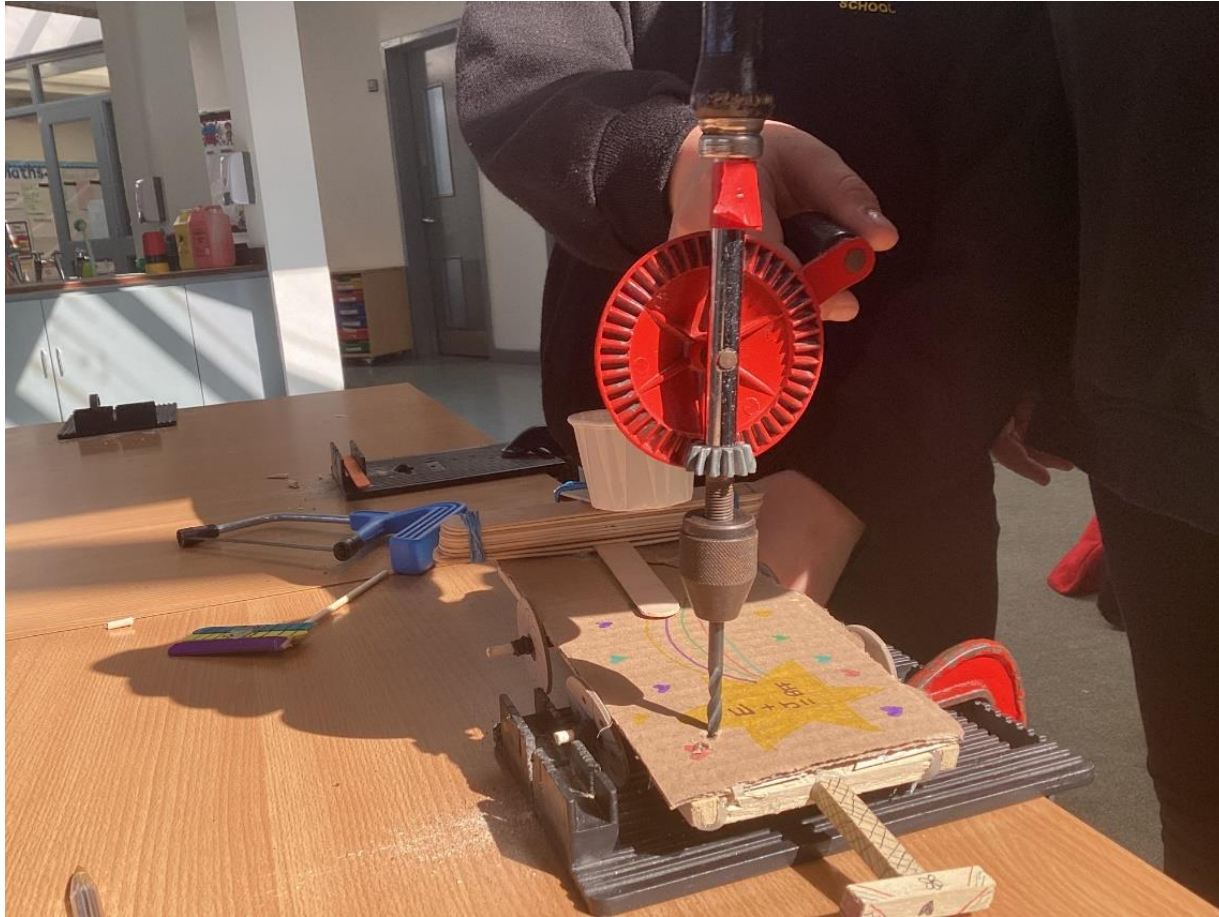
- Pizza making
- Indian cooking





# Year 4

- Catapults

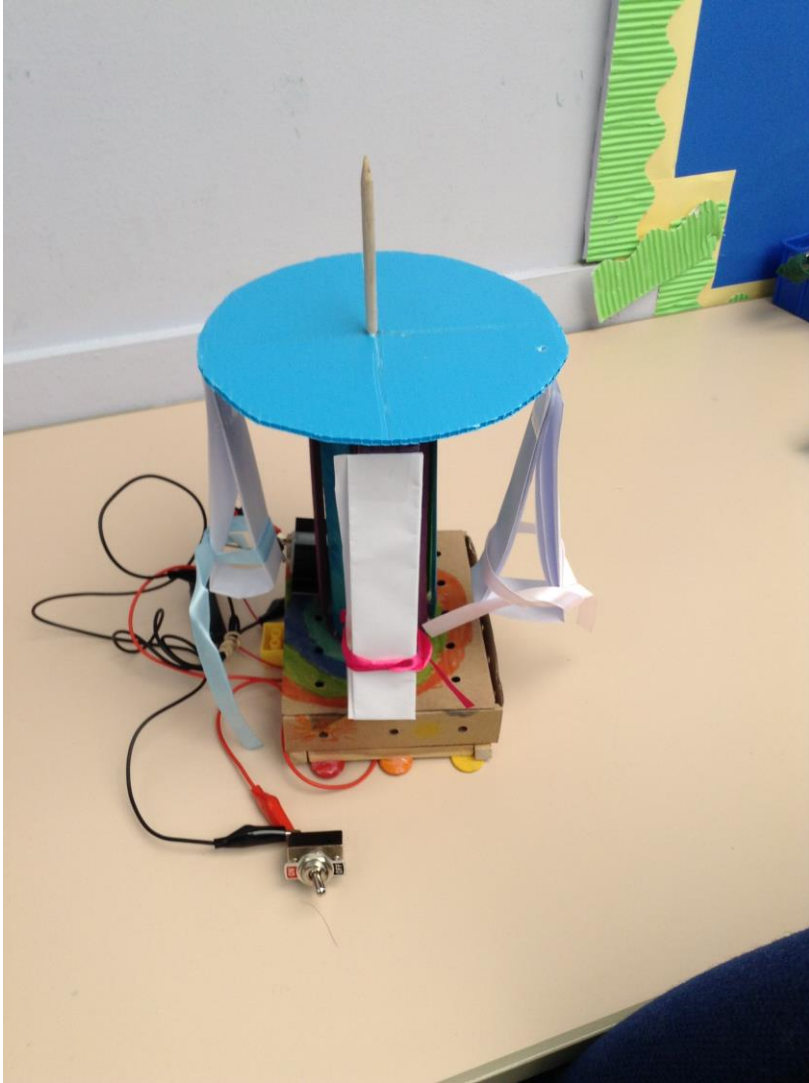


## Year 5

- Water rockets
- Bread and soup

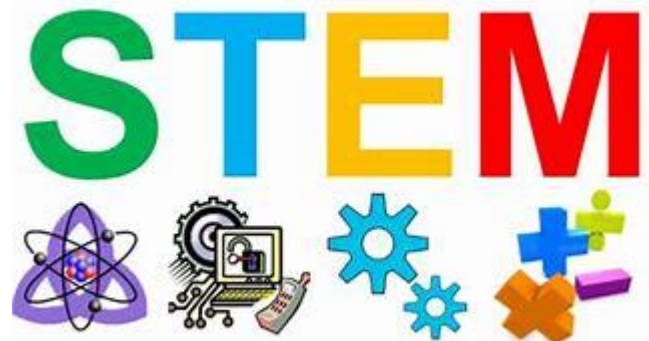






## Year 5

- Electronic vehicles





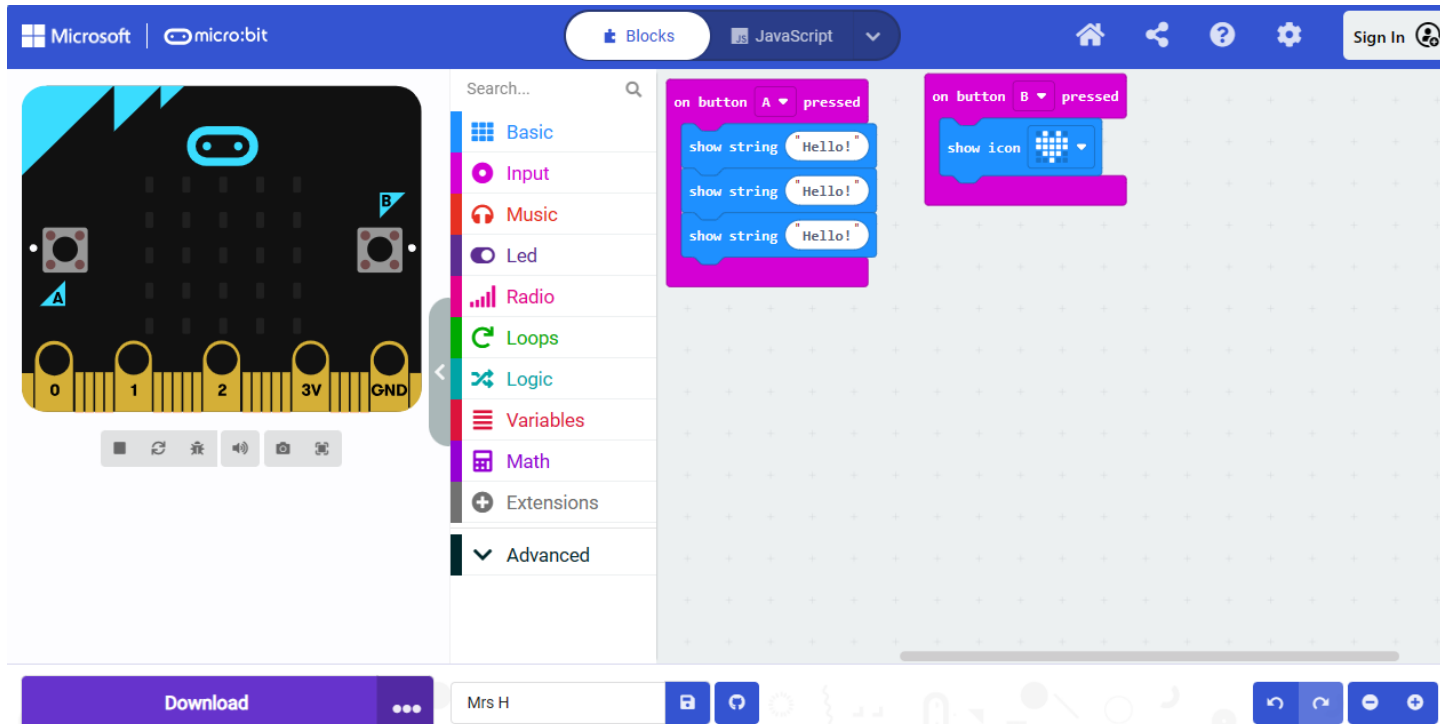
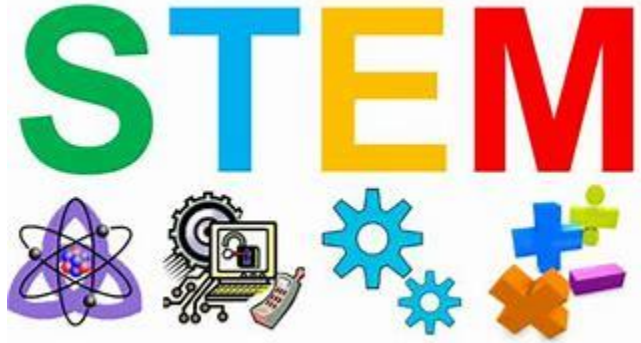
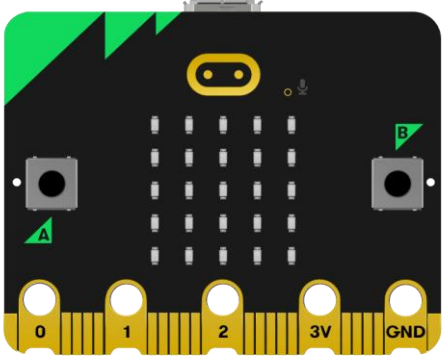
# Year 6

- WW2 tanks
- Bread pudding
- The Americas food
- Cakes



# Year 6

- Computer programming





**Where can you find out more about  
what your child is learning?**



**Do you have any questions?**

**Thank you for coming.**