

# Designing For Life

### To engage the children we will:

- Design and make our own inventions and present them to a Dragon's Den style jury.
- Take part in a workshop where we will use Lego to design and build a model town.

### What the children will learn to do during the topic:

- Key inventions over time and how they have affected humanity
- Use coding to create an interactive game.
- To plan and carry out scientific investigations to test materials according to a range of different properties
- To apply scientific knowledge in their own designs
- To create and print their own designs influenced by William Morris
- To plan and research to write a newspaper report about famous inventors

### What the children will know by the end of the topic:

- The key inventions and inventors that have helped shape the world
- The properties of materials using scientific vocabulary
- How to use coding to develop an interactive, playable game
- How materials are recycled or reused
- The concept of 'peace'
- How to recognise positive and negative relationships
- The properties of a variety of materials
- How to use the designs of William Morris to inspire their own art work
- The features of a newspaper report

### The memorable experience(s) at the end of the topic will be:

**Dragon's Den** – The children will present their prototype invention and branding to a jury of 'investors' and evaluate their inventions.

### To support your child's learning with this topic you could:

- Visit the Design Museum and Science Museum
- Research significant inventions that have influenced lifestyles e.g. household objects, fashion, transport and technology.
- Discuss different materials and their properties.

Home learning will be sent home on a Thursday. In addition to this, please ensure that your child reads at home every day and practice times tables. **Please use Bug Club and Mathletics, as it is fun and**

### PE Lessons

**5C** - Swimming on Tuesday and PE on Friday

**5D** - Swimming on Tuesday and PE on Friday

*Please ensure your child's PE kit is in school on these days, including jogging bottoms for outdoor PE.*