

## Topic Title: Design for Life

### To engage the children, we will:

- Design our own sustainable towns having studied city living and architecture.
- 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:

- Investigate key inventions over time and how they have affected humanity.
- Design a sustainable urban environment.
- Plan and carry out scientific investigations to understand how forces work.
- Develop an understanding of the Solar System.
- Research and understand the impact of the discoveries of significant scientists.
- Create and print their own designs influenced by William Morris.
- Plan and research the contributions of significant historical figures in the Space Race.

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

- The key inventions and inventors, discoveries and scientists that have helped shape the world.
- Scientific vocabulary for forces in the world around us.
- The role of forces in everyday life and beyond.
- An overview of Earth and its place in our Solar System.
- Why night and day occur.
- How materials are recycled or reused.
- Basic understanding of first aid.
- How to use the designs of William Morris to inspire their own art work.
- How to plan and research effectively.

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

**Lego Model Town** – The children will be given the raw materials to design and build a town out of Lego, including roads, railways and structures.

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

- Visit the Design Museum, the Royal Observatory and the Science Museum.
- Research significant inventions that have influenced lifestyles (e.g. household objects, fashion, transport and technology).
- Discuss different forces and the solar system.
- Visit the library to borrow books and share together.

***Home learning will be sent home on a Thursday. In addition to this, please ensure that your child reads at home every day.***

### PE Lessons

**5A (Ms Ashby):**  
Outdoor- Tuesday  
Indoor -Thursday

**5D (Mr Davis):**  
Indoor- Monday  
Outdoor -Friday

**5W (Miss Wright):**  
Indoor- Monday  
Outdoor -Friday  
**Swimming information to follow.**