

# Year 6 Parent Planner - Autumn 2018 - Marvellous Machines

## Possibilities

Which helps our children to build aspirations and become open-minded, inquisitive learners.

As open minded learners we will design and refine our ideas. We will learn from ideas that aren't successful and work towards ambitious aims.



## Spirituality

Which helps our children develop an appreciation and respect of the intangible. (Truth, love, goodness, compassion.)

In our Spiritual and Moral development we will consider the qualities that separate people and machines, sentience, vivacity, friendship and emotions.

## Community

Which helps our children to build an active understanding of their world

As active members of the community we will be designing products with the desires and needs of others in mind. We will participate in a project that benefits the school community and involves us with the wider community.



## AREAS OF LEARNING

### As Readers we will.....

- Listen to and discuss modern fiction ('Tin' by Padraig Kenny)
- Read and analyse established fiction ('The Iron Man' by Ted Hughes)
- Read non-fiction texts to research levers, pulleys and gears.

### As Writers we will.....

- Write instructions for using machines
- Write explanations of how devices work
- Write journalistic reports
- Write adventure stories including robots

### As Mathematicians we will .....

- Working with numbers up to ten million, compare, order and round.
- Negative numbers
- Work with all 4 operations to solve problems, calculating with formal written methods

### As Scientists we will ....

- Look at resemblance of offspring
- Look at differences in offspring
- Look at changes in animals over time
- Look at adaptations to environments
- Look at adaptations and evolution
- Look at changes to the human skeleton over time

### As Historians we will..

- Research how the invention of steam powered machinery changed industry.
- Look at how transport developed over time

### As Artists we will ....

- Look the work of Leonardo Da Vinci
- Create portraits in his style
- Evaluate his plans and designs

### As Designers and Makers we will ....

- Design, plan, evaluate and modify what we make
- Discover how to make levers that produce different types of movement
- Make a moving picture for our buddy using levers
- Make a simple toy using levers
- Use air to create and control propulsion
- Construct an air propelled vehicle

### As Musicians we will....

- Listen to, and appreciate music composed by Michael Jackson
- Improvise and perform music based in this.

### As sportspeople we will ...

- Develop our football skills and play competitive games
- Develop dance moves and join them together in sequences

### As Computer Scientists we will ....

- use the internet safely to research machines
- Refresh our knowledge of the correct use of the school computers

The key questions we will investigate in RE are: Creation and Science: Conflicting or complimentary? What would Jesus do?