



The Oaks Primary School  
Bringing Learning to Life

## Project Overview



### In DT we can...

Research model cars and design our own car.  
Use tools precisely to create model cars.  
Evaluate our models and recognise how they could be improved.

### In Maths we can...

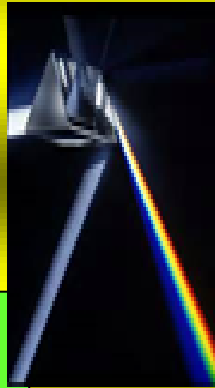
Measure materials to the nearest mm.  
Produce bar charts and line graphs to present results of science investigations.

### In RE we can...

Find out why some people inspire others.

### In PSHE we can...

Understand the role of the emergency services and how to deal with them.  
Understand and recognise the signs of grooming and know how to get help.  
Understand how to respond to unacceptable contact behaviour with peers and unhealthy relationships.  
Understand the physical and emotional changes that occur to the body during puberty.  
Find out about the human reproduction system and how pregnancy is caused and can be avoided.



Bright Sparks  
Y6 Autumn 2  
How can science improve our lives?



### In music we can:

Use different forms of notation.  
Combine groups of beats.

### In English we can...

Distinguish between statements of fact and opinion when reading.  
Retrieve, record and present information from non-fiction.  
  
Write poems linked to rainbows, sound and light. Write explanation texts.  
  
Write reports about scientific investigations.

### Key Learning Skills

Enquiry, Questioning, Making connections,  
Researching, Evaluating, Creating new knowledge, Empathy.



### In computing we can...

Use iMovie to create our own shadow show film clips.  
Use Google to research different scientific phenomena.  
Create power-point presentations about light.  
Produce QuickTime movies of the production of the controllable toy car.

### In science we can...

Identify and name the basic parts of a circuit.  
Use recognised symbols when representing a simple circuit in a diagram.  
Associate the brightness of a lamp with the voltage in a circuit.  
Compare and give reasons for variations in how components function.  
Recognise that light appears to travel in straight lines.  
Understand that objects are seen because light travels from light sources to our eyes or to objects and then our eyes.  
Explain why shadows have the same shape as the object that cast them.  
Research shadow performances.  
Explore phenomena such as rainbows.  
Investigate how we can change a shadow.  
Investigate whether the wires affect the brightness of a bulb.  
Identify the effects of air resistance, water resistance and friction that act between moving surfaces.  
Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.  
Explore the work of Isaac Newton.