# Year 3/4 Homework Menu

# Incredible Inventions

**Science Focus: Light**

Activity 1: Light Sources
Make a list of 10 random objects around you. Then decide whether these objects are sources of light

Activity 2: Opaque, Transparent or Translucent?
Gather a selection of random objects. Shine a torch at each one and record if the object is opaque (light cannot pass through it), transparent (all light can pass through it), or translucent (some light can pass through it)

**History Focus:**

Research an invention of your choosing and create a fact file. You could include the inventor, why it was invented and how it impacted the world.




**Design and Technology Focus:**

Design your own invention with labels and explain why the world needs your new creation!




Homework Expectations in Year 3/4:

- Read at least three times a week.
- Complete the weekly Sumdog tasks.
- Complete the weekly Spelling Shed tasks.
- Choose and complete at least two activities from the Homework Menu during the half term. You can do more if you'd like!

Record any finished books in the Book Tracker at the back of the homework book. Remember to give it a short review!

Homework books will be sent home on Fridays and should be returned on Wednesdays with completed homework

**Geography Focus:**

Looking at a world map, research some famous inventions that come from different countries around the world.



**RE Focus: Sacred Texts**

Pick two sacred texts and draw them in your book. Label them with their names and what religions they come from. What similarities can you see? What differences can you see?

**Maths Focus:**

You are an inventor buying materials for you next invention. You have £30 to spend, what do you buy and how much change do you get back?

Scrap metal: £4 per metre

Screws: £2.50 per pack of 10

Wires: £0.90 per pack of 5

Light bulbs: £5 each

Motor: £7.50 each

**English Focus:**

Write a short story about an inventor finally perfecting their invention. Focus on how they might feel and which they might do now that their creation is ready for the world.