



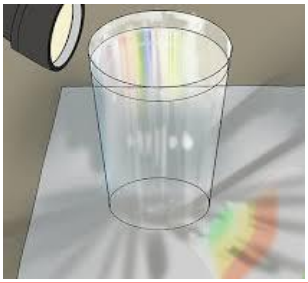
LIGHT HOMEWORK PROJECT

We see light when it enters our eyes. Light travels in straight lines from a source and reflects off objects. When this reflected light reaches our eyes, it passes through the lens and focuses on the retina, sending signals to the brain so we can see shapes and colours.

YOU HAVE 4 OPTIONAL PIECES OF HOMEWORK TO COMPLETE, SET ON TUESDAY 4TH NOVEMBER AND IS DUE IN ON MONDAY 7TH DECEMBER 2026.

🌈Make a Rainbow Experiment🌈

Use a **glass of water and a torch** (or sunlight) to create a mini rainbow.
Draw or take a photo and label the colours of the spectrum.



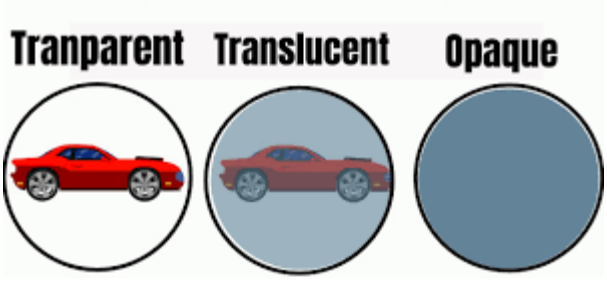
🕵️ Shadow Investigation

Place an object (like a toy) under a torch and observe how the **shadow changes size** as the light moves closer or further away.
Record findings with drawings or photos.



🔍 Transparent, Translucent, or Opaque?

Collect 5 household objects (e.g. glass, paper, foil, plastic bag, cardboard).
Shine a light through each and sort them into these three categories.



📸 Light Around the World

Research how people use light in different ways — e.g. lighthouses, traffic lights, festival lights (Diwali, Hanukkah).
Create a short poster or fact sheet.



JUST FOR FUN: HTTPS://WWW.BBC.CO.UK/BITESIZE/ARTICLES/ZJP8YWX