

# Science - Physics

## Lesson 8 -

### Light and Reflection

Friday 29<sup>th</sup> January

# Recall:

Write down 3 examples of:

1) What do we need to see things that are not sources of light? Draw a picture explaining this.

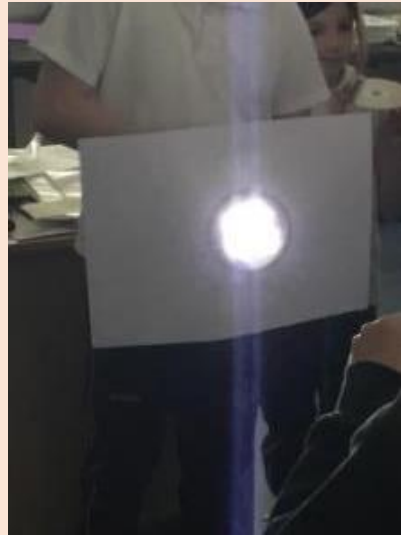
# Experiment – test different materials to see how reflective they are.

You will need the following resources:

A torch, a sheet of white paper, different colour paper, tin foil, shiny paper (can be a shiny cover of a book), different colour fabric (socks, hats, T-shirts), wood (painted and not painted), cardboard, a mirror.

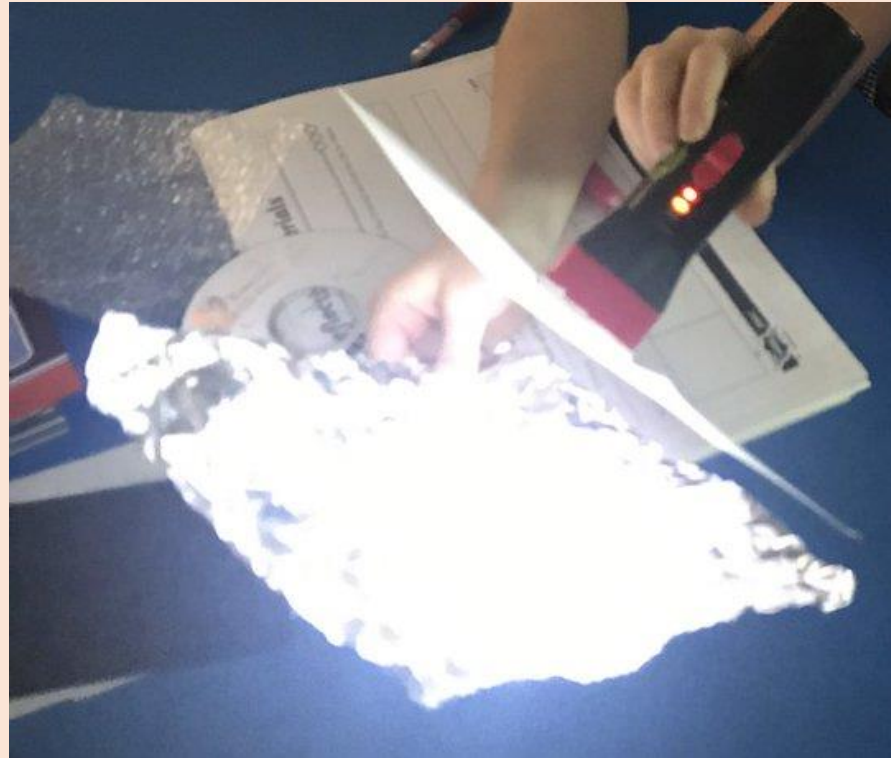
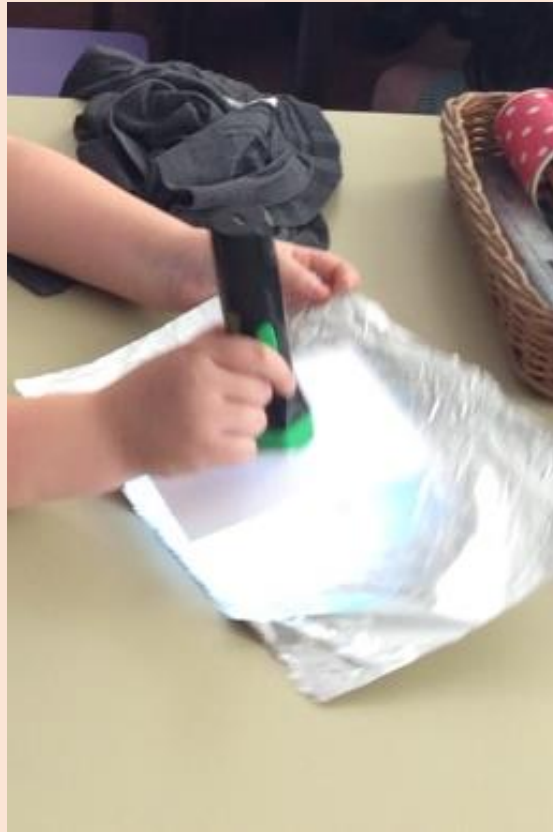
# Experiment - Step 1

Take a torch and a sheet of white paper. Switch on the torch and light it through the paper.



# Experiment - Step 2

Make the light shine on each object.



Record in the table how reflective each object is in scale from 1 to 10.

Name of the material.	How reflective is it in scale from 1 to 10 (10 most reflective)
A sheet of white paper	
A sheet of _____paper.	
A sheet of _____paper.	
Tin foil	
Shiny paper	
Wood	
Socks (colour:_____)	
T-shirt (Colour:_____)	
T-shirt (Colour:_____)	
A hat (Colour:_____)	
Mirror	
Cardboard	
Other:_____	
Other:_____	

# Answer the questions.

Which 2 materials were the most reflective?

Why do you think they were the most reflective?

Which 2 materials were the least reflective?

Why do you think they were the least reflective?

What is the main difference between the most and the least reflective materials?