

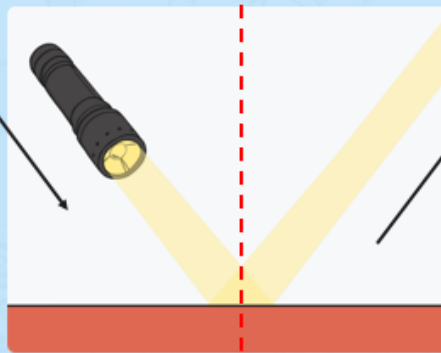
Reflective Light

Light travels in a straight line.

When light hits an object, it is reflected (bounces off).

If the reflected light hits our eyes, we can see the object.

Light from the torch hits the object.



The light is reflected from the object.

Reflective Light

Some surfaces and materials reflect light well. Other materials do not reflect light well.

Reflective surfaces and materials can be very useful:

- Reflective strips on coats or bags mean you can be seen at night. They are also useful for fire-fighters or builders who may work in a dark and dangerous environment.
- 'Cat's Eyes' help drivers see the road by reflecting light from headlamps.
- Mirrors let us see ourselves, and are also useful in cars, to allow drivers to see behind them.
- Retro-reflectors are used for road signs so that drivers can see the signs from their car.

Can you think of any other uses?



Which Material Is Most Reflective?

You need to decide which material is best for the Brilliant Bag Company to use on their book bag.

Choose the most reflective material from the ones you tested.

Use your Choosing a Material Activity Sheet to draw your chosen material on the book bag in the place you think it should go, and label it.

Write an explanation to the Brilliant Bag Company so they know why you have chosen this material.