

Scientist Name:



Today Science Club are going to be.....

REFLECTING LIGHT!

Light sources give out light. These include

1) _____ 2) _____ 3) _____ 4) _____

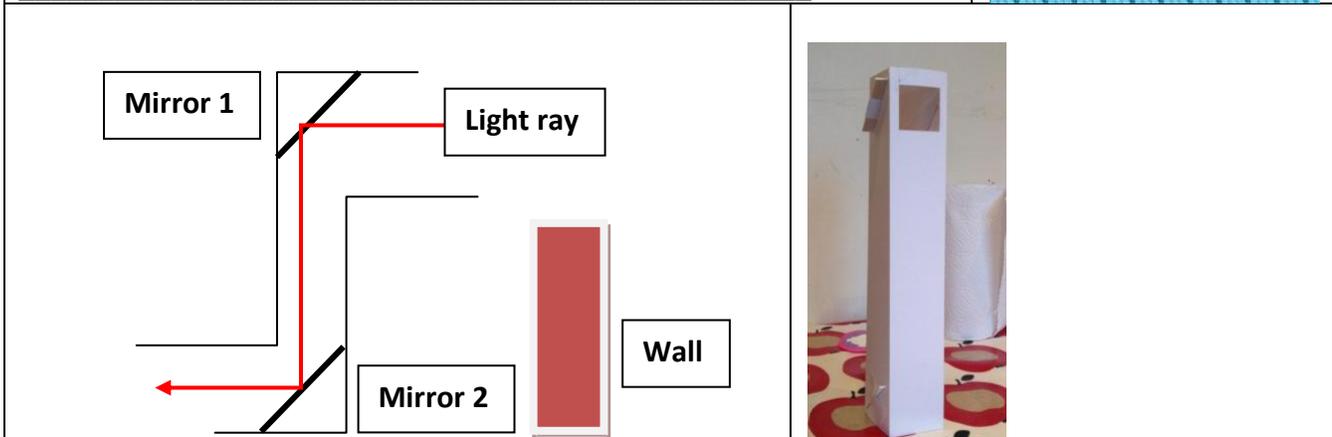
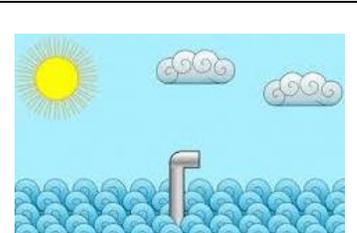
Some objects seem bright but they are only reflecting light from elsewhere. These include the moon, planets, mirrors and shiny objects.

Mirrors reflect light back at the same angle:

Light travels really fast, in fact it travels 300,000,000 m/sec!

If you put a mirror in the right place, you can even see round corners.

Periscopes use a pair of mirrors to allow you to see round an object easily. During WW1 school students made wooden and glass ones for soldiers to use in the trenches!

Which type of **boat** uses a periscope to see above the water?

Note to parents: We have made cardboard periscopes using plastic with reflective surfaces. Any questions please email: HassellScienceClub@gmail.com

Light Quiz

1. Which are sources of light and which can you see because they reflect light? Put them in the following table: **stars, brick walls, plants, mirrors, planets, electric light, candle flame**

Sources of Light	Reflect Light

2. If you can **see through** something then it is said to be? _____
3. Light travels much quicker than sound, TRUE or FALSE?
4. How does light travel? _____
5. What do you call an object that makes its own light? _____
6. How are shadows formed? _____
7. What can you see when you look in a mirror? _____
8. What describes a material that light cannot pass through? _____
9. A beam of light hitting a mirror at an angle is reflected off at:
- a. A smaller angle
 - b. The same angle
 - c. A larger angle
10. On a sunny day what time of day will your shadow be the shortest? _____