<u>cwk</u>

Date

3 - Mirrors & Reflection

- Level 4 Describe that light is reflected from plane surfaces in a predictable way
- Level 5 Make and record accurate measurements of angles of incidence and reflection with respect to the normal;
- Level 6 Use understanding about reflection of light at plane surfaces to explain observations.
 e.g. how a periscope works

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Why are signs on emergency vehicles, such as ambulances, written back to front?



Class brainstorm

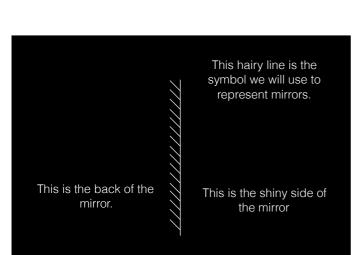
How many different uses of a mirror can you think of?

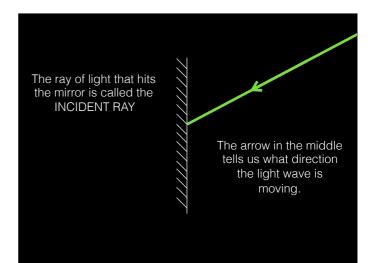
Main

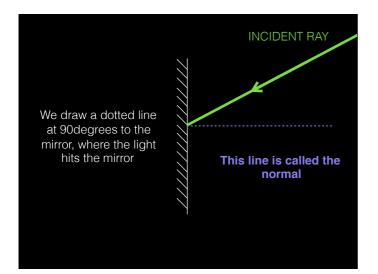
Show pupils how Plane mirrors work and the law of reflection.

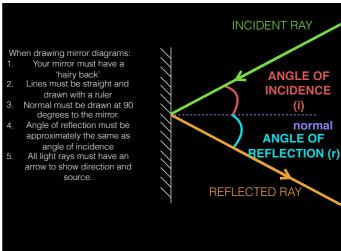
Best role modelled on the board, using a board ruler mirror and laser. If you don't have this use the following slides and have the pupils mimic what you are doing.

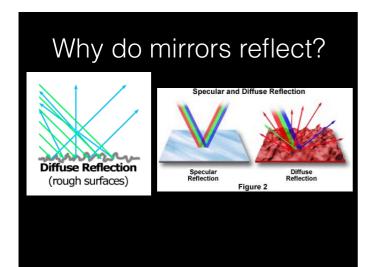
Pupils will need to be able to replicate this for an exam question.

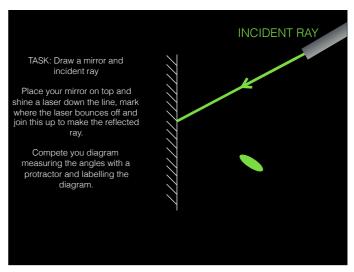


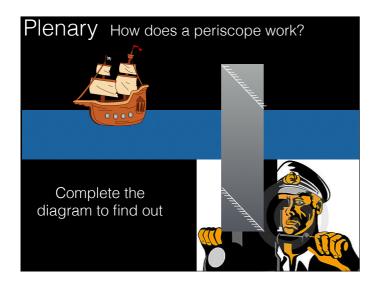












Extension Questions

How does a kaleidoscope work?

How does a make up mirror make you look larger?

How does a car mirror work?

Why is writing in a mirror backwards but not upside down?