

Science- Year 3

Autumn 2- Can you see me?

In Science, I have learnt:

What material would be the best to make a window out of and why.

To carry out a fair test, showing that:

- I understand what is changing/ staying the same
- I can make predictions and say why I think this.
- I can draw conclusions using evidence e.g. saying how much water is absorbed by different rocks.

properties, shiny, dull, light, compare, similar, different, see-through.

I can recognise that we need light in order to see things and that dark is the absence of light.

I can notice that light is reflected from surfaces.

I can recognise that light from the sun can be dangerous and that there are ways to protect my eyes.

I can recognise that shadows are formed when the light from a light source is blocked by a solid object.

Working Scientifically

I can record my findings using simple scientific language, labelled diagrams and tables.

I can group objects based on their properties and create a scale for comparison e.g. based on shininess.

I can predict which materials will make the best shadows and the best sunglasses and say why I think this.

I can find patterns in the way that the size of shadows change during the day. I can explain why this happens using diagrams.

I can carry out a fair test to find out what happens to a shadow as an object moves towards a light source.

- I understand what is changing/ staying the same
- I can use a ruler to measure the distance from the light source and size of the shadow.
- I can use my results to draw a conclusion.

Scientific enquiry type:

Grouping and classifying

Carrying out a fair test

Observation over time

New Science words:

Light, dark, **shadow**, mirror, bright, dim, light source, **reflect**, eye, **opaque**, **transparent**, **translucent**, **ray**, beam, **absorb**, question, investigation, **fair test**, change, measure, predict, prediction, explain, explanation, observations, draw conclusions

