Science- Year 3

Autumn 2- Can you see me?

In Science, I have learnt:

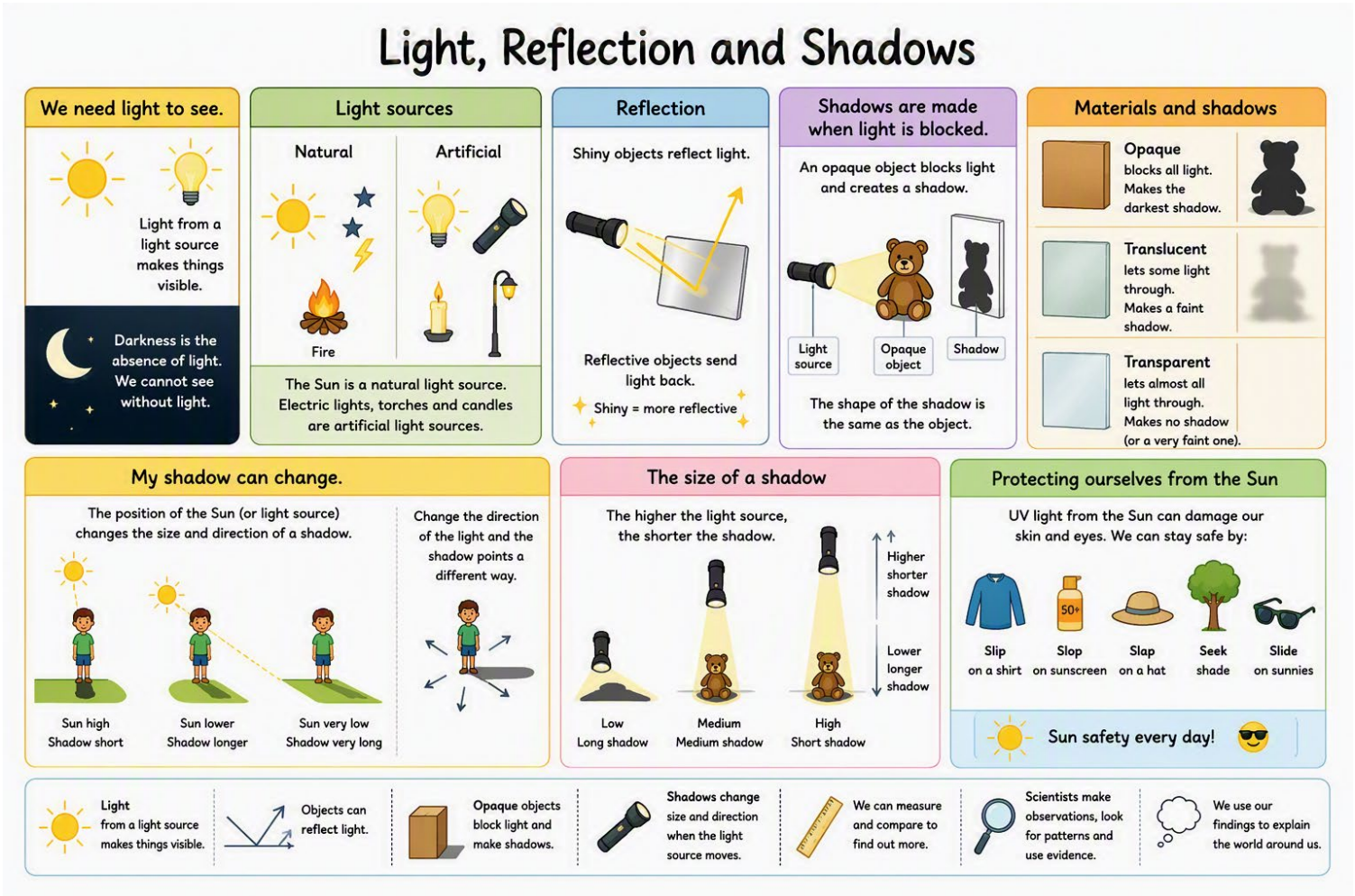
What material would be the best to make a window out of and why.
To carry out a fair test, showing that:

- 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 explain that we **need light from a light source to see.**
I can identify natural and artificial **light sources.**
I can explain that **shiny objects reflect light.**
I can **identify the most reflective** object using measurements.
I can explain that **shadows are made when light is blocked** by an opaque object.
I can describe **opaque, translucent and transparent** materials.
I can identify **similarities and differences between myself and my shadow.**
I can explain that the **position of a light source changes the size and direction of a shadow.**

<u>Working Scientifically</u>
I can record my findings using simple scientific language, labelled diagrams and tables.
I can make predictions and give reasons for them.
I can sort and classify objects using their properties.
I can carry out a fair test by changing one thing at a time.
I can make observations and use them as evidence.
I can identify patterns and use them to draw conclusions.



Glossary

bright 💡 : giving out a lot of light or having high light levels

comparative test ⚖️ : a science enquiry to compare different materials or events

conclude/conclusion ✅ : to draw together evidence to find patterns and answers

dark/darkness 🌑 : the absence of light

evidence 🔎 : information from observations and measurements that supports or disproves ideas

identifying and classifying 📗 : an enquiry to identify or sort things by their features

light 🌞 : produced by a light source and makes things visible

light source 🔦 : something that produces its own light

lux 📏 : the unit used to measure light intensity (lx)

measure/measurement 📐 : using equipment to find the size or amount of something

observe/observation 👀 : using senses or instruments to gather information

opaque 🚫 🌞 : does not let light pass through

pattern 🔁 : a relationship between results or observations

predict/prediction 🤔 : using what you already know to work out what might happen

reflect ↩️ 💡 : to send back light

reflective ✨ : sends back lots of light and appears shiny

shadow 🧍 : a dark area where light has been blocked

Sun 🌞 : the source of sunlight

translucent 🌫️ : lets some light through but not enough to see clearly through

transparent 🔍 : lets almost all light pass through so objects can be seen clearly through it