

Nova's Marvelous Materials Guide

Explore the world of matter with Nova—what will you build today?

- **Hard materials**, like rock and metal, are often used for building structures because they are strong and do not change shape easily.
- **Transparent materials**, such as glass, let light pass through them, making them perfect for windows.
- **Waterproof materials**, like rubber and plastic, are essential for keeping things dry, such as in raincoats or wellington boots.
- **Flexible materials**, like fabric and some plastics, can bend without breaking, which is useful for making clothing.
- **Opaque materials**, like wood or brick, block light completely, providing privacy and shade.

Did you know? Did you know? Metals are excellent conductors of heat, which is why we use copper or aluminium to make the base of our saucepans, but we use wood or plastic for the handles so we don't burn our hands!

Key vocabulary: Transparent · Opaque · Flexible · Rigid · Waterproof · Conductive · Hard