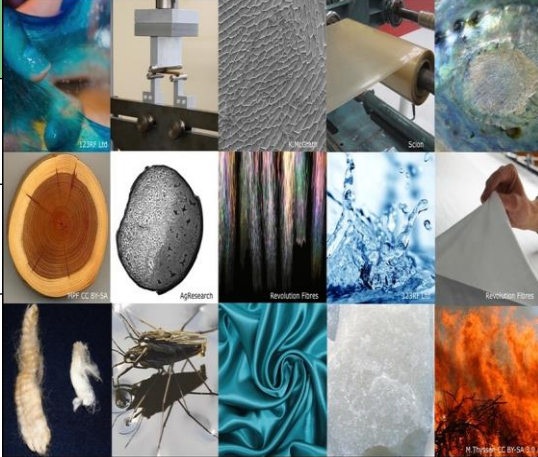


Year 2: Materials Knowledge Mat

Subject Specific Vocabulary			Sticky Knowledge about materials
metal	When heated, metals can be shaped into anything from a tiny paperclip to a huge aircraft.		☐ Wood is used to make buildings and furniture and for making fires and heating.
plastic	Plastics are made from natural materials such as wood, coal and oil.		☐ Most of the paper or cardboard we use came from trees.
Charles Macintosh	We know Charles Mackintosh for inventing mackintoshes which was a special type of coat. We use the word 'mac' today because of his invention.		☐ Glass is a hard material that can be made in many shapes.
John Dunlop	John Dunlop was a person who improved the tyres on cars. You may see tyres on cars with the name DUNLOP on them.	Important facts to know by the end of the Year 2 materials topic: ☐ Know why some materials are more suitable than others for specific uses ☐ Know why glass, wood, plastic, brick or paper would be used for certain jobs ☐ Know that some materials can be squashed, twisted or bent according to need ☐ Know why certain materials are suitable for many different uses ☐ Know about the lives of important people who have developed useful new materials	☐ Glass is usually transparent, which means you can see through it, but can also come in different colours.
wood	Wood is a material that comes from trees and is used to make furniture, floors and many other things		☐ Glass is often used to make windows and bottles.
squashing	Squashing is pushing things closely together.		☐ Many churches have special coloured glass often used to make religious pictures.
bending	Bending is changing the shape and direction of something.		☐ Plastics are used to make many of the things we use in everyday life. They are used for toys, bicycle helmets, mobile phones, window frames and many other items use plastic.
twisting	To twist something you move part clockwise and the other anticlockwise.		☐ Petrol is used to make plastic and it invented just over a 100 years ago.
stretching	Stretching is making something bigger by pulling it to make it longer.		
John McAdam	John McAdam is most famous for inventing the tar used to make roads. It was known as Tar McAdam.		