Natural resources which are used in every day life include: water, air, trees and plants, and cotton.

Knowledge Organiser Properties of Materials Some insulating materials found in our houses include fibre glass loft insulation, cavity wall filler and double-glazed windows.

ROCKET WORDS		Ways to test materials		Lesson Sequence
	Learn these words nd their definitions. Definition	Hardness How resistant a material is to scratching and pressure. <i>Hard materials: hardwood</i> ,	Strength The amount of force needed to break a material. Strong materials: many	Learn how to compare and group everyday materials
comparative test	Undertaking a test with a controlled variable to help answer questions.	Elasticity	<i>metals and woods.</i> Plasticity	Compare the properties and uses of different materials
elasticity	The ability of a material to resume its normal shape after being stretched or compressed.	Ability of a material to turn to its original shape after the force is removed <i>Elastic materials: rubber</i>	Ability to retain the new shape when the force is removed. <i>Example materials:</i>	Make the perfect sandcastle Explore materials which can be derived from crude oil; explain the importance
plasticity	The ability for a material to be easily shaped or moulded.	bands, metal coil springs	plasticine, clay.	4 or carbon compounds in our lives. Explore extracting useful
crude oil	A natural oil formed by carbon deposits and organic materials.	Absorbency Ability of a material to soak up liquid.	Waterproof Resistant and repellent to a liquid	5 Substances from natural resources
perforate	To pierce or puncture something.	Absorbent materials: sponge, cotton wool, towel.	Waterproof materials: Many rubbers and plastics	6 and the internal conductivity of materials to improve energy efficiency in buildings or other systems.
extraction	To remove something from its natural setting.	crude Formed by the Ex	tracted by Used to help	
thermal conductivity	The ability of a material or substance to conduct or transfer heat.	oil heating and oil compression by of organic th	companies make many drilling into plastic ne seabed products and	
inexhaustible	Something unable to be used completely because there's too much of it to be all used up.	(plants, u animals) over	d brining it everyday p through items, intense meaning it is essure, and useful.	Building a perfect sandcastle
Developing Experts		years - such	essure, and useful. stored in However, can ontainers. also be bad for environment.	