


Discovery




Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.

I am confident with identifying and classifying.

(TTJ - The World Around Us: Building a home)

Initiative




Compare and group together a variety of everyday materials on the basis of their simple physical properties.

I can gather and record data to help in answering questions.

(TTJ - The World Around Us: Building a home) Build a house for your toy

Awareness




Distinguish between an object and the material from which it is made.

I use my observations and ideas to suggest answers to questions

(TTJ—The World Around Us: Exploring materials: How do we get materials)

Listening

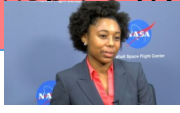


Describe the simple physical properties of a variety of everyday materials.

I am good at observing closely, using simple equipment.


(TTJ - The World Around Us: Building a home) raft making

Inspire Me!



This is Tiera Guinn's. The MIT senior is helping build a rocket for NASA that could be one of the biggest and most powerful ever made. She's an aerospace major who also works as a Rocket Structural Design and Analysis Engineer for the Space Launch System that aerospace company Boeing is building for NASA.

Positivity




Compare the materials that can and can't be recycled. What impact does recycling have on our environment? What changes can we do to have a positive impact on our environment?

I can gather and record data to help in answering questions.

(TTJ—The World Around Us: Exploring materials: extension...recycling)


Acceptance



Compare the difference between Discovery learning and scientific enquiry? At the end of this topic on materials do you know which practical activities were discovery and which were scientific?

I use my observations and ideas to suggest answers to questions.

Relationships



Compare and group together a variety of everyday materials on the basis of their simple physical properties.

I can perform simple tests


(TTJ: The world around us: What is everything made of) solids and liquids

Kindness

If you were the leader of a new village what one material would you provide for them? Explain your answer talking about the properties of the materials you have chosen. Ask your friends simple questions about the material they have chosen?

I ask simple questions and recognise that they can be answered in different ways

Vocabulary



rough, smooth, hard, hot, soft, cold, metallic, spikey, furry, woolly, feathery, sticky, spongy, slimy, rubbery

Prior Learning

Identify the following materials; wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses

How to change the shape of some solid materials.

Protected Characteristics

Race: Do all races have equal access to different materials?

Declarative Knowledge: National Curriculum/Dial Park subject knowledge

Procedural Knowledge: (Scientific Enquiry) Skills

Disciplinary Knowledge: I can be given an unknown material and apply my knowledge and skill as a scientist to compare, describe