

Understanding Materials Investigation

Today, we'll explore the fascinating world of materials - where they come from and how we use them!

Key Investigation Questions

1. Natural vs. Man-Made Materials Challenge

Sort and classify materials into two categories:

Natural Materials	Man-Made Materials

2. Material Origins Exploration

List three sources of natural materials and draw a simple diagram showing how they are found in nature:

3. Material Transformation Investigation

Choose one natural material and describe how humans transform it into a useful product:

Material Chosen: _____

Transformation Process:

4. Material Purpose Analysis

Select an object in the classroom and identify:

- What materials is it made from?
- Why were those specific materials chosen?

5. Sustainable Material Use Design Challenge

Design a poster showing three ways to be responsible when using materials:

[Poster Design Space]

Advanced Material Exploration

Material Detective Mission

In groups, complete a comprehensive material investigation:

Material Type	Origin	Unique Properties	Common Uses
Wood			
Plastic			
Cotton			

Reflection Questions

1. What surprised you most about materials today?

2. How can understanding materials help protect our environment?