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QUESTION 1 Can you define, why we can said that materials science is in everyone backyard. State the examples and what product they can do. You also need to give an example of product in your surroundings. Snap a picture of a product next to you and state the materials used to produce that product. ANSWER :-Material science is the scientific study of the properties and applications of ...

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Introduce fundamental concepts in Materials Science You will learn about:

- material structure
- how structure dictates properties
- how processing can change structure

This course will help you to:

- use materials properly
- realize new design opportunities with materials

~~Introduction to Materials Science & Engineering~~

This video link is a great introduction to the Year 1 Science topic 'Everyday Materials'. It looks at some of the main Everyday Materials and explains where t...

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Composite materials consist of two main materials.

1. Reinforcement (Strong load carrying material) EX: aramide, carbon, fiberglass
2. Matrix (imbedded weaker material) EX: polypropylene, polyvinyl chloride etc. Composite Materials offers

1. High Strength
2. Light Weight
3. Design Flexibility

- Transfer Load to Reinforcement
- Temperature Resistance
- Chemical Resistance
- Tensile Properties
- Stiffness
- Impact Resistance

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0:00 Syllabus stuff 15:46 What are the different classes of engineering materials? 28:09 Chocolate tempering is materials science?

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35:33 learning objectives ...

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