

Homework Menu 1

Materials investigation- Success criteria:

1. Reference of sources
2. PEEL (Point, Evidence, Explain & Link)
3. Presentation of information

Modern materials: Research developments made through the invention of new or improved processes eg Graphene, Metal foams and Titanium.

Joining Methods - Common wood joint with diagrams

Sustainability of materials - Why is Pine and Wood sustainable?

Emerging technologies - How technology push/market pull affects choice.

6 R's - What are the 6 R's and are they making an impact?

Sustainability 1 - How power is generated from: wind, solar, tidal, hydro-electrical & biomass.

Sustainability 2 - Arguments for and against the selection of renewable energy

Smart materials - Make a comparison sheet showing different Smart materials their uses, These materials can have one or more properties that can be significantly changed in a controlled fashion by external stimuli, such as stress, temperature, moisture, or PH. Examples of smart materials are: shape memory alloys, thermochromic pigments and photochromic pigments

Emerging technologies - How technology push/market pull affects choice.

