Year 9

Term 5 Knowledge organiser

This organiser relates to work unit 3.1 Applications of Materials

There are 5 questions in total, each with 4 parts. You will be asked what type of material will be used for a given application and 3 reasons why the material is correct.

Applications covered

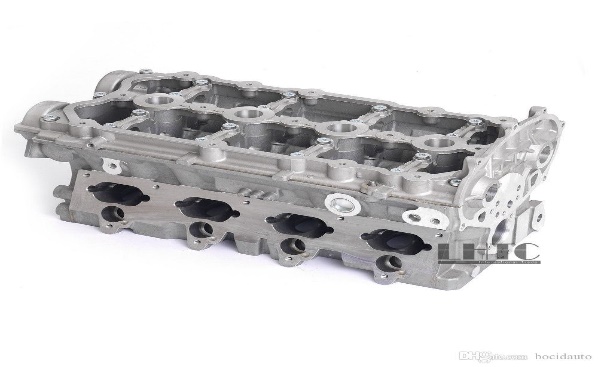
Wind turbine blades

Engine Cylinder head

Pillar Drill chuck guard

Anti-vibration mounts

Centre punch



**Considerations**

Many things that are manufactured for real life applications need to abide by a set of rules

Ease to make/manufacture

Cost effectiveness

Weather conditions

Life span Legal requirements

Impact on the environment

Stress loading