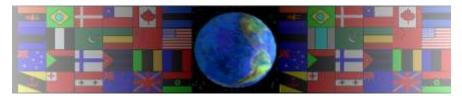
## CARBON FIBRE REINFORCED POLYMER (CFRP)

V.Ryan © 2000 - 2010

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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## CARBON FIBRE REINFORCED POLYMER (CFRP) V.Ryan © 2010 World Association of Technology Teachers

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1. What is Carbon Fibre Reinforced Polymer?

2. Describe two advantages Carbon Fibre Reinforced Polymer has over materials such as GRP and Titanium?
3. Describe a disadvantage of CFRP compared to GRP
4. Describe the structure of a typical piece Carbon Fibre Reinforced Polymer. Include a sketch of a 'weave' of Carbon Fibre textile.
DESCRIPTION:
SKETCH OF WEAVE
5. Describe a practical application of CFRP in the aerospace industry. Include an explanation of why CFRP has been used.
6. List further practical applications of CFRP.
7. Using the internet as a research tool, collect images of practical applications of CFRP. Attach them to this questions sheet, labelling each image.