

Critically Evaluate New and Emerging Technologies

New and Emerging Technologies

Knowledge Map

This Knowledge Map will take you through the vast area covered by the term Emerging Technologies

CAD/ CAM

App

ICT in Design, Manufacturing, Marketing and Distribution

App

Carbon Footprint

WEBSITE PAGE

Life Cycle

Website Page

Life Cycle Energy Analysis

Website Page

Why Maintenance and Repairability should be Built in to the Products we Buy

INTRODUCTION

Environment - The Six 6rs In Detail - With Real Life Examples

App

Environmental Issues

App

Very detailed App. Pupils may need specific guidance on its use.

Moral, Ethical, Environmental Issues Relating To Design, Manufacturing and The Consumer

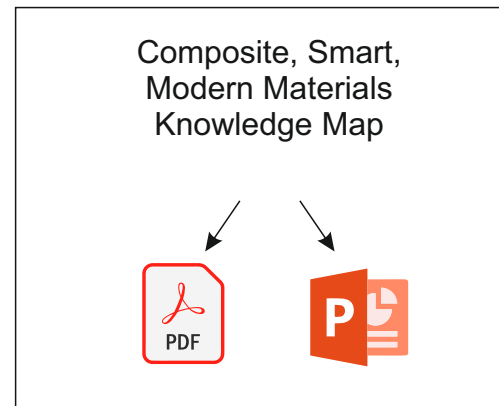
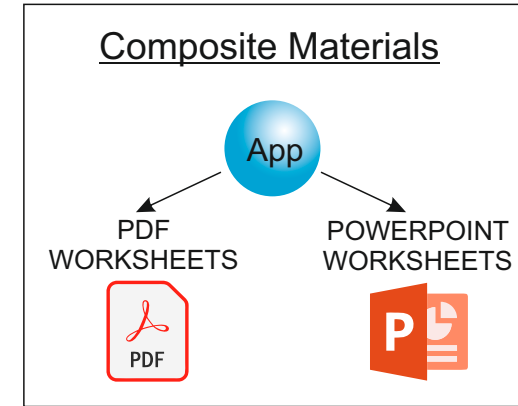
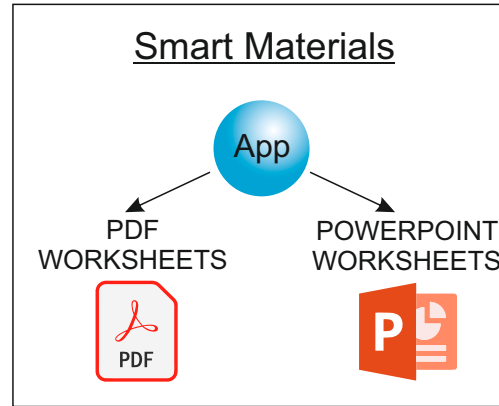
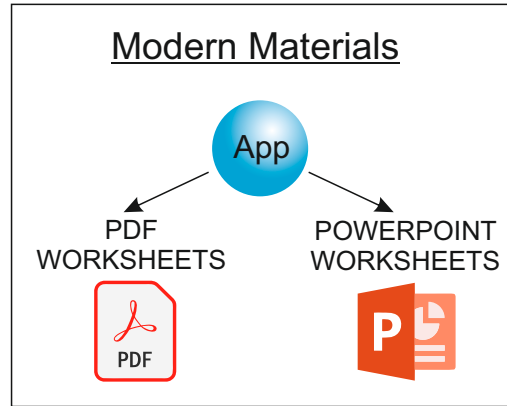
OR

GROUP DISCUSSION

ADVICE: PRINT THE CARDS BELOW AND YOUR PUPILS COULD COMPLETE THE DISCUSSION EXERCISE (Last to pages)

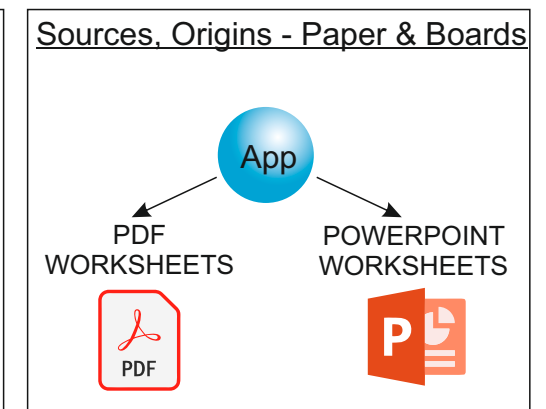
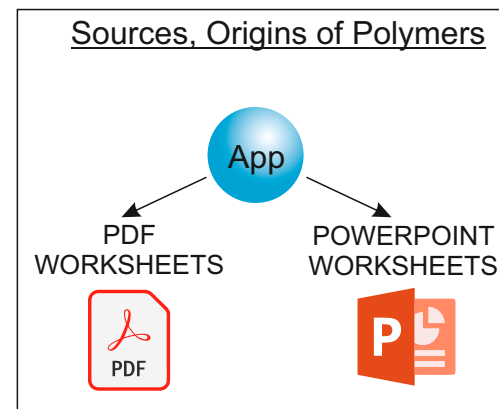
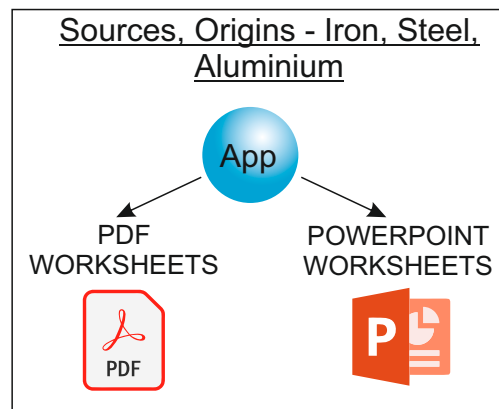
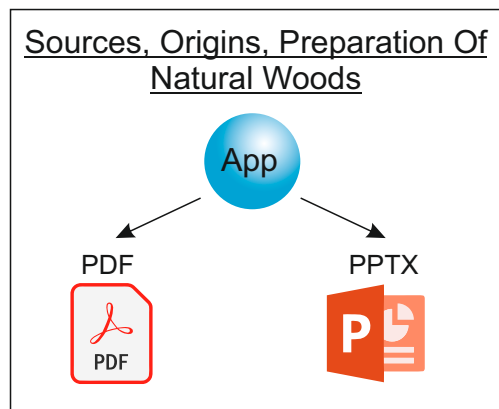
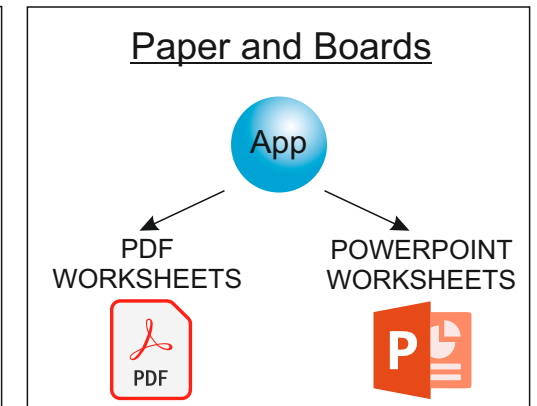
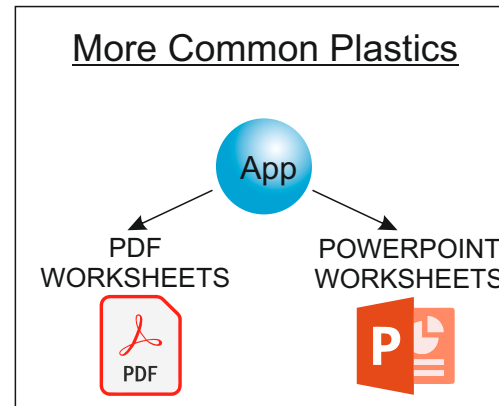
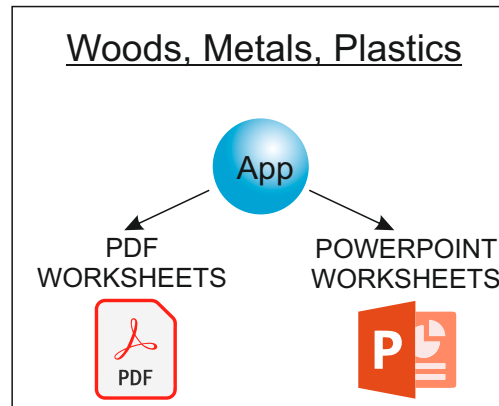
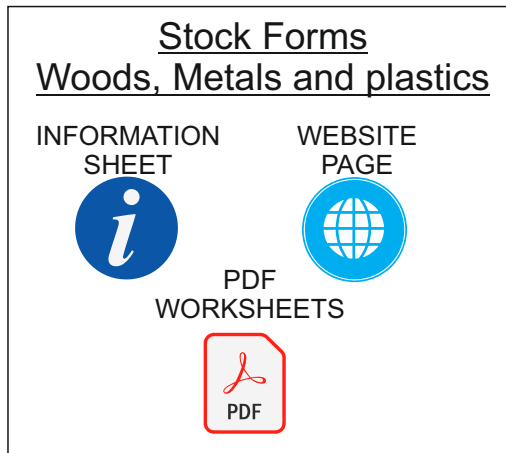
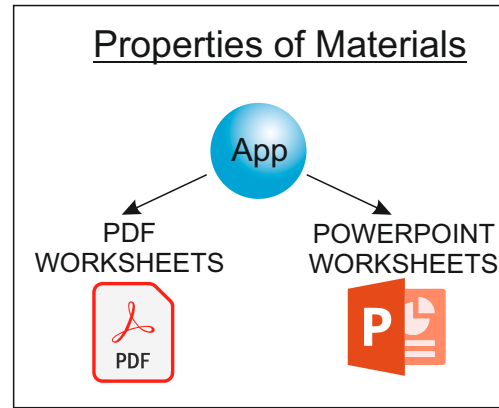
Developments in Modern, Smart, Composite Materials

(Technical Textiles not covered)



Categorisation of Materials

Properties - Woods - Metals - Plastics- Paper/Boards



Specialist Techniques, Tools, Equipment, Processes Including Finishes

Issue 1: 16/2/22

(Timbers - Metals - Plastics - Paper / Boards)

