

KS4 DT –Yr 10
Half term 5

What? When? Why?	Lesson one Learning intentions (what can a student do at the end of the lesson)	Lesson two Learning intentions (what can a student do at the end of the lesson)	Lesson Three Learning intentions (what can a student do at the end of the lesson)
Week One	Exam Assessment revision Specialist technical principles Pupils should be able to describe and understand principles relating to Textiles – Sources, origins and properties	Exam Assessment revision Specialist technical principles Pupils should be able to describe and understand principles relating to Working with textile based materials and fixings	Practical realisation phase Produce initial ideas for a small desk tidy using more than one material with ACCESSFM annotations
Week Two	Exam Assessment revision Specialist technical principles Pupils should be able to describe and understand principles relating to Commercial manufacturing, surface treatments and finishes	Exam Assessment revision Specialist technical principles Pupils should be able to describe and understand principles relating to Electronics – Selection of materials and components	Practical realisation phase Identify a final design and produce an orthographic drawing and a cutting list
Week Three	Exam Assessment revision Specialist technical principles Pupils should be able to describe and understand principles relating to Commercial manufacturing and quality control	Exam Assessment revision Specialist technical principles Pupils should be able to describe and understand principles relating to PCBs and surface processes	Practical realisation phase Produce a card prototype of the desk tidy and evaluate the product before commencing production

Week Four	Exam Assessment revision Designing and making principles Pupils should be able to describe and understand principles relating to Selection of materials and components	Exam Assessment revision Designing and making principles Pupils should be able to describe and understand principles relating to Tolerances and allowances	Practical realisation phase Mark out and cut the different pieces required selecting the correct tools and processes and demonstrating appropriate health and safety knowledge
Week Five	Exam Assessment revision Designing and making principles Pupils should be able to describe and understand principles relating to material management and marking out	Exam Assessment revision Designing and making principles Pupils should be able to describe and understand principles relating to Specialist tools, equipment, and processes	Practical realisation phase Assemble the different pieces required selecting the correct tools and processes and demonstrating appropriate health and safety knowledge
Week Six	Exam Assessment revision Designing and making principles Pupils should be able to describe and understand principles relating to Health and safety and risk assessments	Exam Assessment revision Designing and making principles Pupils should be able to describe and understand principles relating to Surface treatments and finishes	Practical realisation phase Finish and evaluate your product with specific reference to your intended target market. Suggest modifications based on your customer feedback