

KS4 DT –Yr 11
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	Non Exam Assessment Develop initial prototype planning into a finished form	Non Exam Assessment Finish a scaled orthographic drawing using Techsoft 2D and showing full dimensioning throughout	Non Exam Assessment Produce a finished cutting list itemising the sizes required of the various materials needed.
Week Two	Non Exam Assessment Finish a production timeline showing photographic evidence of product manufacturing	Non Exam Assessment Finish a product evaluation referring back to the product specification	Non Exam Assessment Finish a product modifications page detailing the modifications made and the reasons for the changes
Week Three	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	Exam Assessment revision Specialist technical principles Pupils should be able to describe and understand principles relating to Commercial manufacturing, surface treatments and finishes

Week Four	Exam Assessment revision Specialist technical principles Pupils should be able to describe and understand principles relating to Electronics – Selection of materials and components	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
Week Five	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	Exam Assessment revision Designing and making principles Pupils should be able to describe and understand principles relating to material management and marking out
Week Six	Exam Assessment revision Designing and making principles Pupils should be able to describe and understand principles relating to Specialist tools, equipment, and processes	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