



# Denton Community College 2019/20

## Departmental Curriculum Map Template

### Subject: Product Design Technology MultiMaterials

### Year Group: 9



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Topics</b>	<b>MULTI MATERIALS</b> Bottle opener	<b>MULTI MATERIALS</b> Bottle opener	<b>MULTI MATERIALS</b> Electronics	<b>MULTI MATERIALS</b> Timbers Specialism	<b>MULTI MATERIALS</b> Timbers Specialism	<b>MULTI MATERIALS</b> Timbers Specialism
<b>What will students during this unit?</b>	<ul style="list-style-type: none"> <li>- How to research into Metals</li> <li>- How to read and understand a technical drawing</li> <li>- How to mark out metals</li> </ul>	<ul style="list-style-type: none"> <li>- How to use the pillar drill</li> <li>- How to shape metals and remove waste</li> <li>- How to research into Plastics</li> <li>- How to pop rivet</li> <li>- Evaluation</li> </ul>	<ul style="list-style-type: none"> <li>- How to create a working electronic circuit</li> <li>- How to identify electronic components</li> <li>- Resistor values</li> <li>- How to design from a specification for identified user group</li> </ul>	Project work Linked to the Edexcel themes	Project work Linked to the Edexcel themes	Reviewing and testing <ul style="list-style-type: none"> <li>- Bottle opener</li> <li>- Metals</li> <li>- Woods</li> <li>- Electronics</li> </ul> Project work Analysis  KS4 Theme Analysis
<b>When will students be assessed?</b>	<ul style="list-style-type: none"> <li>- Technical drawing</li> <li>- Technical drawing 2</li> <li>- Technical notes</li> <li>- Practical skills</li> </ul>	<ul style="list-style-type: none"> <li>- Practical outcome</li> <li>- Filing skills</li> <li>- Cutting skills</li> <li>- 2D Design skills</li> <li>- Evaluation</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- Practical outcome</li> <li>- Research page</li> <li>- Design page</li> <li>- Testing</li> </ul>	Timely assessment Investigation Brief Research Designs	Timely assessment Model making Development Practical outcome	Testing
<b>How will students be assessed?</b>	In line with NC Formative - 2 key points Summative assessment overview Ongoing verbal feedback	In line with NC Formative - 2 key points Summative assessment overview Ongoing verbal feedback	In line with NC Formative - 2 key points Summative assessment overview Ongoing verbal feedback	In line with NC Formative - 2 key points Summative assessment overview Ongoing verbal feedback	In line with NC Formative - 2 key points Summative assessment overview Ongoing verbal feedback	In line with NC Formative - 2 key points Summative assessment overview Ongoing verbal feedback
<b>Key Vocabulary</b>	Mild steel Technical drawing Engineers red/ blue	Hack saw 8mm drill bit Carbon steel	Resistor Circuit LED	Investigation Brief Research	Model making Development Practical outcome	All from across the 5 half terms subject specific terminology

