

## Design & Technology Revision Topics (Year 10)

<b>Key Ideas in Design &amp; Technology</b>	
	Product Sustainability
	Powering Systems
	Planned Obsolescence
	CAD/CAM
<b>Materials &amp; Systems</b>	
	Plastics
	Woods and Manufactured Boards
	Composites
	Smart Materials
	Types of Motion
<b>More about Materials</b>	
	Working properties of materials
	Scales of Production
<b>Specialist Knowledge – <i>*Students only revise their one class area*</i></b>	
A.	<b>Textiles Classes:</b> <ul style="list-style-type: none"> <li>- Fabrics and their properties</li> <li>- Components and tools</li> <li>- Joining and shaping</li> </ul>
B.	<b>Product Design Classes:</b> <ul style="list-style-type: none"> <li>- Woods and Polymers</li> <li>- Shaping materials</li> <li>- Tools and construction methods</li> </ul>
C.	<b>Electronics Classes:</b> <ul style="list-style-type: none"> <li>- Soldering PCBs</li> <li>- Plastics and case making</li> <li>- Commercial Manufacturing of PCBs</li> </ul>
<b>Designing &amp; Making</b>	
	Developing prototypes
	Ergonomics and Anthropometrics
	User-centred design
	Drawing methods