

Year 11 Design & Technology.

Revision List for Mock Exam - February 2022.

In preparation for the forthcoming mock exam, please revise the following topics carefully.

Revision Topics	Links	Done?
Energy - sources and systems for storing, generating and transferring it,	https://www.bbc.co.uk/bitesize/guides/zf8ck2p/revision/4 https://www.bbc.co.uk/bitesize/guides/zf8ck2p/revision/1 https://members.gcsepod.com/shared/podcasts/title/12510/76862	
Mechanisms - gears, pulleys, levers and types of motion,	https://members.gcsepod.com/shared/podcasts/title/12560/77161 https://www.bbc.co.uk/bitesize/guides/zbt26yc/revision/3 https://www.bbc.co.uk/bitesize/guides/zbt26yc/revision/1 https://www.bbc.co.uk/bitesize/guides/zbt26yc/revision/5	
Materials - natural and synthetic,	https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/6	
Materials - woods, metals, and new materials,	https://www.bbc.co.uk/bitesize/guides/zkvny4j/revision/1 https://members.gcsepod.com/shared/podcasts/title/12452/76493 https://members.gcsepod.com/shared/podcasts/title/12511/76866 https://www.bbc.co.uk/bitesize/guides/zfq8jty/revision/1 https://members.gcsepod.com/shared/podcasts/title/7892/52623	

<p>Material properties and surface treatments,</p>	<p>https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/1</p> <p>https://members.gcsepod.com/shared/podcasts/title/12452/76752</p> <p>https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/11</p> <p>https://www.bbc.co.uk/bitesize/guides/zhq8jty/revision/10</p> <p>https://www.bbc.co.uk/bitesize/guides/zkvny4j/revision/11</p> <p>https://members.gcsepod.com/shared/podcasts/title/12452/76493</p> <p>https://members.gcsepod.com/shared/podcasts/title/12452/76713</p> <p>https://members.gcsepod.com/shared/podcasts/title/12452/76714</p> <p>https://members.gcsepod.com/shared/podcasts/title/7889/52606</p> <p>https://www.bbc.co.uk/bitesize/guides/zbstng8/revision/4</p>	
<p>Materials and the environment - sustainability and the 6 Rs,</p>	<p>https://members.gcsepod.com/shared/podcasts/title/12385/76253</p> <p>https://members.gcsepod.com/shared/podcasts/title/7894/52644</p> <p>https://www.bbc.co.uk/bitesize/guides/zn4bcj6/revision/4</p> <p>https://members.gcsepod.com/shared/podcasts/title/12574/77258</p> <p>https://www.stem.org.uk/elibrary/resource/30113</p> <p>https://www.bbc.co.uk/bitesize/guides/zbn6pbk/revision/4</p> <p>https://members.gcsepod.com/shared/podcasts/title/7907/52743</p>	

<p>Electronics - micro-controllers,</p>	<p>https://www.bbc.co.uk/bitesize/guides/z6kr97h/revision/2</p> <p>https://members.gcsepod.com/shared/podcasts/title/8388/54555</p> <p>https://www.bbc.co.uk/bitesize/guides/zhq8jty/revision/5</p> <p>https://internetofthingsagenda.techtarget.com/definition/microcontroller</p> <p>https://members.gcsepod.com/shared/podcasts/title/12451/76491</p>	
<p>Product design - use of research into existing products,</p>	<p>https://www.bbc.co.uk/bitesize/guides/zbn6pbk/revision/1</p> <p>https://members.gcsepod.com/shared/podcasts/title/12530/76962</p> <p>https://members.gcsepod.com/shared/podcasts/title/7907/52743</p>	
<p>Product design - appearance, life span, disposal and planned obsolescence,</p>	<p>https://www.bbc.co.uk/bitesize/guides/zn4bcj6/revision/9</p> <p>https://www.softscripts.net/blog/2019/03/products-design-appearance/</p> <p>https://www.investopedia.com/terms/p/product-life-cycle.asp</p> <p>http://economicstudents.com/2021/05/built-to-fail-planned-obsolescence-in-product-design/</p> <p>https://blog.idrenvironmental.com/product-disposal-definition-and-what-it-means-for-your-brand</p>	
<p>Product manufacturing - commercial processes,</p>	<p>https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/7</p> <p>https://members.gcsepod.com/shared/podcasts/title/7895/52649</p> <p>https://members.gcsepod.com/shared/podcasts/title/7895/52651</p> <p>https://members.gcsepod.com/shared/podcasts/title/7888/52597</p> <p>https://www.bbc.co.uk/bitesize/guides/zhq8jty/revision/6</p> <p>https://www.bbc.co.uk/bitesize/guides/zhq8jty/revision/7</p>	

<p>Manufacturing aids - accuracy, quality and speed of manufacture,</p>	<p>https://members.gcsepod.com/shared/podcasts/title/7895/52649</p> <p>https://www.bbc.co.uk/bitesize/guides/zhq8jty/revision/9</p> <p>https://www.bbc.co.uk/bitesize/guides/zvstng8/revision/3</p> <p>https://members.gcsepod.com/shared/podcasts/title/7910/52762</p>	
<p>Design specifications used in product analysis,</p>	<p>https://members.gcsepod.com/shared/podcasts/title/12530/76964</p>	
<p>Maths: trigonometry and scale of production (costs),</p>	<p>https://www.bbc.co.uk/bitesize/guides/ztj6y4j/revision/1</p> <p>https://www.bbc.co.uk/bitesize/guides/zhq8jty/revision/6</p>	
<p>Ergonomics and its use in product design,</p>	<p>https://www.bbc.co.uk/bitesize/guides/z42j2nb/revision/3</p> <p>https://members.gcsepod.com/shared/podcasts/title/7908/52753</p>	
<p>Designers; examples and analysis of their designs, influences and style,</p>	<p>https://members.gcsepod.com/shared/podcasts/title/7897/52664</p> <p>https://www.bbc.co.uk/bitesize/guides/zbn6pbk/revision/5</p>	
<p>Modelling; how is this used to develop designs, including the use of CAD?</p>	<p>https://www.bbc.co.uk/bitesize/guides/z6jkw6f/revision/9</p> <p>https://members.gcsepod.com/shared/podcasts/title/7907/52746</p> <p>https://members.gcsepod.com/shared/podcasts/title/7895/52653</p>	