

GCSE DT Revision Map



Topic	Relearn	Practice questions
Unit 1: New and emerging technologies		
Industry and Enterprise	Bitesize read and watch: https://www.bbc.co.uk/bitesize/guides/zdtmtv4/revision/1 Read PowerPoint on topic and watch Video Write down revision cards, mind map, and posters Video https://www.youtube.com/watch?v=47lz5mJ4t2E	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zdtmtv4/test
Sustainability and the environment	Bitesize read and watch: https://www.bbc.co.uk/bitesize/guides/zn4bcj6/revision/3 Write down revision cards, mind map, and posters Video https://www.youtube.com/watch?v=xqmdJNRlc9E	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zn4bcj6/test
People culture and society	Bitesize read and watch: https://www.bbc.co.uk/bitesize/guides/zh2w7p3/revision/6 Write down revision cards, mind map, and posters https://www.youtube.com/watch?v=z9Y8-0IOsal	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zh2w7p3/test
Production, techniques and systems	Bitesize read and watch: https://www.bbc.co.uk/bitesize/guides/zn4bcj6/revision/8 Write down revision cards, mind map, and posters https://www.youtube.com/watch?v=DL-GKMagAms	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zn4bcj6/test
Informing design decisions	Bitesize read and watch: https://www.bbc.co.uk/bitesize/guides/zn4bcj6/revision/9 Write down revision cards, mind map, and posters https://www.youtube.com/watch?v=jWsP6IOa-wc	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zn4bcj6/test

Unit 2: Energy generation and storage		
Energy generation – Fossil fuels / Nuclear	<p>Bitesize read and watch: https://www.bbc.co.uk/bitesize/guides/zf8ck2p/revision/1 Write down revision cards, mind map, and posters https://www.youtube.com/watch?v=thy3_w74fR0</p>	<p>Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zf8ck2p/test</p>
Energy Storage – Including batteries	<p>Bitesize read and watch: https://www.bbc.co.uk/bitesize/guides/zf8ck2p/revision/4 Write down revision cards, mind map, and posters https://www.youtube.com/watch?v=9eAFEU7pMwU</p>	<p>Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zf8ck2p/test</p>
Modern materials	<p>Bitesize read and watch: https://www.bbc.co.uk/bitesize/guides/zfq8jty/revision/1 Write down revision cards, mind map, and posters https://www.youtube.com/watch?v=ggQjmN3N92w</p>	<p>Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zfq8jty/test</p>
Smart materials	<p>Bitesize read and watch: https://www.bbc.co.uk/bitesize/guides/zfq8jty/revision/2 Write down revision cards, mind map, and posters https://www.youtube.com/watch?v=ggQjmN3N92w</p>	<p>Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zfq8jty/test</p>
Composite materials and technical textiles	<p>Bitesize – Read and write notes on composite materials https://www.bbc.co.uk/bitesize/guides/zfq8jty/revision/3</p>	<p>Walk through exam style questions https://www.youtube.com/watch?v=cWI_iYGnufU Bitesize test https://www.bbc.co.uk/bitesize/guides/zfq8jty/test</p>
Systems approach to designing – Inputs/Outputs	<p>Bitesize – Read and watch video and write notes and revision cards https://www.bbc.co.uk/bitesize/guides/zjkw6f/revision/3</p>	<p>Bitesize test https://www.bbc.co.uk/bitesize/guides/zjkw6f/test</p>
Electronics systems processing	<p>Bitesize – Read and watch video and write notes and revision cards https://www.bbc.co.uk/bitesize/guides/zh8ck2p/revision/1 Watch video on Electronic systems and make a poster https://www.youtube.com/watch?v=fMFC1SaHeHk</p>	<p>Bitesize test https://www.bbc.co.uk/bitesize/guides/zh8ck2p/test</p>
Mechanical devices – Different types of movement	<p>Bitesize – Read and watch video and write notes and revision cards https://www.bbc.co.uk/bitesize/guides/zbt26yc/revision/1 Watch video on Mechanical devices and make a poster https://www.youtube.com/watch?v=nuDbVSAb1tY</p>	<p>Bitesize test https://www.bbc.co.uk/bitesize/guides/zbt26yc/test</p>

Unit 3: Materials and Properties		
Papers and boards	Bitesize – Read and watch video and write notes and revision cards https://www.bbc.co.uk/bitesize/guides/znq8jty/revision/1	Bitesize test https://www.bbc.co.uk/bitesize/guides/znq8jty/test
Timbers	Write down revision cards, mind map, and posters https://www.youtube.com/watch?v=7s-l3XOobTM Revision video https://www.youtube.com/watch?v=okcgkCcP9dQ Bitesize revision https://www.bbc.co.uk/bitesize/guides/zkvny4j/revision/1	Bitesize test https://www.bbc.co.uk/bitesize/guides/zkvny4j/test
Metals and alloys	Bitesize revision read and watch video https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/4	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zjgyb82/test
Polymers	Bitesize revision read and watch video https://www.bbc.co.uk/bitesize/guides/zrstng8/revision/1	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zrstng8/test
Textiles	Bitesize revision read and watch video https://www.bbc.co.uk/bitesize/guides/zjc3rwx/revision/1	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zjc3rwx/test
Forces and stresses	Bitesize revision read and watch video https://www.bbc.co.uk/bitesize/guides/zhq8jty/revision/2	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/zhq8jty/test
Improving functionality	Bitesize revision read and watch video https://www.bbc.co.uk/bitesize/guides/z6jkw6f/revision/1	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/z6jkw6f/test
Ecological and social footprint	Bitesize revision read and watch video (polymers) https://www.bbc.co.uk/bitesize/guides/zrstng8/revision/3 Bitesize revision read and watch video (Timbers) https://www.bbc.co.uk/bitesize/guides/zkvny4j/revision/3	Bitesize quiz (polymers) https://www.bbc.co.uk/bitesize/guides/zrstng8/test Bitesize quiz (Timbers) https://www.bbc.co.uk/bitesize/guides/zkvny4j/test
The 6 R's	Read information and download powerpoint. https://www.stem.org.uk/elibrary/resource/30113 Watch video https://www.youtube.com/watch?v=AlBmyysGLtk	
Scales of production	Bitesize revision read and watch video https://www.bbc.co.uk/bitesize/guides/znq8jty/revision/7	Bitesize quiz https://www.bbc.co.uk/bitesize/guides/znq8jty/test

Unit 4: Timber based material		
Sources and origins	Sources and origins read bitesize article and watch video https://www.bbc.co.uk/bitesize/guides/zkvny4j/revision/4	Bitesize Quiz: https://www.bbc.co.uk/bitesize/guides/zkvny4j/test
Working with timbers	Read bitesize article and watch video https://www.bbc.co.uk/bitesize/guides/zkvny4j/revision/1	Bitesize Quiz: https://www.bbc.co.uk/bitesize/guides/zkvny4j/test
Commercial manufacturing	Read bitesize article and watch video https://www.bbc.co.uk/bitesize/guides/zkvny4j/revision/9	Bitesize Quiz: https://www.bbc.co.uk/bitesize/guides/zkvny4j/test
Unit 5: Designing principles		
Investigation primary and secondary data	Read bitesize article and watch video https://www.bbc.co.uk/bitesize/guides/zbn6pbk/revision/1	Bitesize Quiz: https://www.bbc.co.uk/bitesize/guides/zbn6pbk/test
The work of others	Bitesize revision read and watch video https://www.bbc.co.uk/bitesize/guides/zbn6pbk/revision/5	Bitesize Quiz: https://www.bbc.co.uk/bitesize/guides/zbn6pbk/test
Design Strategies	Watch video https://www.youtube.com/watch?v=mhQ-Cx7dP0g	Attempt questions https://www.youtube.com/watch?v=mhQ-Cx7dP0g
Communication of design ideas	Bitesize read and watch https://www.bbc.co.uk/bitesize/guides/zvkck2p/revision/4	Attempt quiz: Designing - Edexcel test questions - Edexcel - GCSE Design and Technology Revision - BBC Bitesize Also use techniques to draw product and render to represent chosen material.

Unit 6: Making principles		
Tolerances	Bitesize read and write notes https://www.bbc.co.uk/bitesize/guides/z6cbcj6/revision/3	Attempt bitesize quiz https://www.bbc.co.uk/bitesize/guides/z6cbcj6/test
Material management	Bitesize read and write notes https://www.bbc.co.uk/bitesize/guides/zbstng8/revision/1	Attempt bitesize quiz https://www.bbc.co.uk/bitesize/guides/zbstng8/test
Surface treatments and finishes	Bitesize read and write notes https://www.bbc.co.uk/bitesize/guides/zbstng8/revision/4	Attempt bitesize quiz https://www.bbc.co.uk/bitesize/guides/zbstng8/test
	<p>Bitesize https://www.bbc.co.uk/bitesize/topics/zkcpkmn</p> <p>YouTube Mr Ridley exam questions https://www.youtube.com/watch?v=mKOqN011SkY</p> <p>Technology student to understand processes like vacuum forming, injection moulding https://www.technologystudent.com/</p> <p>An exam past papers and mark scheme link below https://www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-8552/assessment-resources</p>	

