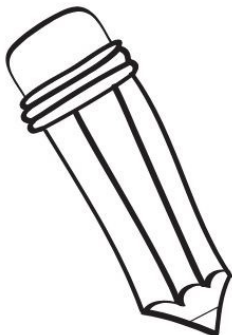


HIGH STORRS SIXTH FORM BRIDGING WORK



2023

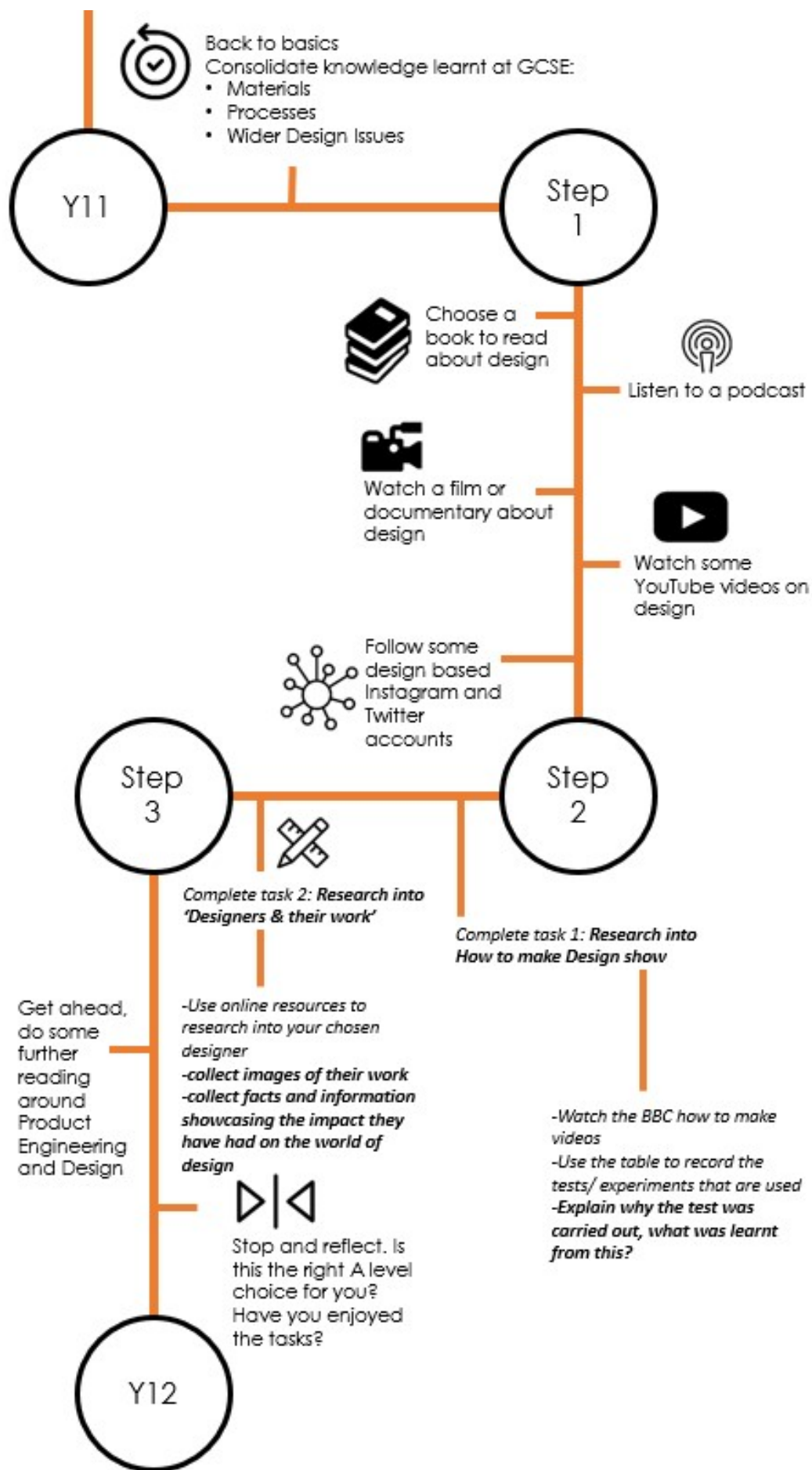
*Product
Engineering
& Design*



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For Books, websites, social media, TV shows, Podcasts and more, view the independent learning resource in your pack

A Level Design and Technology: Product Design

Preparing for A-level DT

The coursework element is worth 50% of the A-level. During the two-year course you will research, experiment, design, model, make and evaluate a range of different products. Recently there has been an amazing series produce by the BBC – called “how to make”.

Use this youtube link to watch the show:

How to make a toothbrush <https://www.youtube.com/watch?v=yNSQKkA-EP8>

How to make Trainers <https://www.youtube.com/watch?v=SswtSIY8zU>

How to make Headphones <https://www.youtube.com/watch?v=8UwjncjLd-Y>

In the series designer a material engineer Zoe Laughlin dismantles three classic items to understand the wonders of form, function and materials that go into making them, before building her own bespoke versions.

Each episode is essential how you will approach A-level DT. If Zoe had recorded what she did in an episode in PowerPoint, using photo's, explanations, drawings she would have achieved full marks. Which is why its so important for you to watch these episodes and take onboard her approach.

TASK ONE:

Watch available episodes (use link above) and write down all the different “tests” or “experiments” that Zoe performs and why she performs them. This will be a huge boost to your own work during the year as you will have a list of “go to” tests you could try with your own projects. (there is a table provided for you to do this)

Test/experiment Table

Test or experiment carried out	Why the test was carried out and what the outcome was

TASK TWO: Designers and Their work

At the beginning of Y12 you will be creating a graphical piece of content that will showcase the work done by a famous designer or design movement. Below you will research into your designer/ movement finding out about the impact they have had and some of their famous pieces of work.

Chosen Designer:	
General Information on your chosen designer/ movement	
What are some of the key products this designer/ movement has created or is famous for?	
How has the work of the designer/ movement contributed to the world of design and design thinking	
Where does the designer fit in with the design timeline of the last century? What was happening in the world during this time?	

The whole DT department look forward to meeting you.

Independent Learning Resources

Books	       
Podcasts	<p>Material Matters – Grant Gibson https://tinyurl.com/y5zcx89g</p> <p>BBC Sound – The Design Dimension https://www.bbc.co.uk/programmes/b04t6nbr</p> <p>Born To engineer – The engineering student experience https://tinyurl.com/yxfmwhqk</p> <p>99% Invisible - https://99percentinvisible.org/</p> <p>Design Matters - https://www.designmattersmedia.com/</p>
Tv shows/documentaries/ Youtube	<p>Click – BBC iPlayer https://tinyurl.com/y6h7a38h</p> <p>Sketch a day – https://tinyurl.com/y2t2k5ll</p> <p>Repair shop – https://tinyurl.com/y57oe3fw</p> <p>Objectified – https://documentaryheaven.com/objectified/</p> <p>Product Designer Maker - https://www.youtube.com/user/camtopher</p> <p>Design Theory - https://www.youtube.com/c/DesignTheoryDigest</p>

Social Media	<p>Course specification and information:</p> <p>https://filestore.aqa.org.uk/resources/design-and-technology/specifications/AQA-7552-SP-2017.PDF</p> <p>Instagram:</p> <p>Student.Design</p> <p>Sketchadaydotcom</p> <p>RotioOfficial</p> <p>Designburger</p> <p>Prodeez</p>
Websites	<p>Revision resource:</p> <p>https://technologystudent.com/</p> <p>Design Inspiration:</p> <p>https://Designmilk.com/</p> <p>http://productdesignhub.com/</p> <p>http://www.yankodesign.com/</p> <p>https://inhabitat.com/</p> <p>https://pinterest.com/</p> <p>http://www.core77.com/blog/</p> <p>https://www.behance.net/</p> <p>http://designtaxi.com/</p> <p>https://designforstudents.blogspot.com/</p> <p>dezeen.com</p> <p>https://www.wevolver.com/</p> <p>Sustainability:</p> <p>https://www.skygroup.sky/sky-zero</p>

A2L Feedback (To be completed at the start of September)	
Y12 Product Engineering and Design	
A2L Grade for effort (Completed by teacher)	A2L Grade description (completed by student)
What did you do well in your bridging work?	
What improvements would you make to your work you have submitted?	

A2L Grade	Description
1	I haven't made enough effort to complete task one or two. I need to go back to this and have another go. This impacted the work that was produced for task two.
2	I have made a satisfactory effort to complete both tasks. However, I do need to make sure I spend time researching and engaging with both tasks, before I start completing projects and I don't give up too easily when learning is tough.
3	I have made a good effort to answer to complete both tasks. I have had a go at the research task and the design task using previous GCSE experience and I managed to produce some good work to start my A Level Product Engineering and Design.
4	I have made a strong effort to complete both tasks. I have researched key themes in task one and discovered some new design concepts and research techniques. I have also engaged well with the design task and come up with a range of ideas. I have tried really hard to complete the work and made a brilliant start to my A Level Product Engineering and Design
5	I have made an exceptional effort to complete both tasks. I have researched into different development and research strategies and I have also come up with a range of design ideas and possible solutions for the design task with a range of models to go with this. I kept going with my design work, even though it was difficult. I have made an exceptional start to my A Level Product Engineering and Design course.