

Most Able

Subject: Product design and Engineering

What can students do to further develop their skills in this subject area?	
	<ul style="list-style-type: none">• Have a creative nature• Willingness to develop their drawing skills• Willingness to develop their practical skills• Has a keen interest in Design & Technology• A Problem solver – through questioning and experimenting• Has a keen interest in STEM – Science, Technology, Engineering, Maths• Is aware of technological changes going on around the world• Ability to link theory elements to practical areas• Has great attention to detail• Interested in extra-curricular activities and visiting galleries/exhibitions• Aware of the impact design & technology has on the world• An independent explorer who shows interest outside of school• Is able to learn and operate independently CAD/CAM packages• Understands that practise will develop• Confidence in using machinery, tools and equipment• Is able to make cross-curricular links with other subjects• Is able to help, plan and organise tasks effectively
What websites could students visit to support the curriculum?	
	<ul style="list-style-type: none">• Technology Student - http://www.technologystudent.com/• GCSE POD - https://www.gcsepod.com/• DATA - https://www.data.org.uk/• STEM - https://www.stem.org.uk/• GCSE Bitesize - https://www.bbc.co.uk/bitesize/subjects/zvg4d2p• Mr DT - http://www.mr-dt.com/• Design & Technology - http://www.design-technology.info/home.htm• Design & Technology - http://www.design-technology.info/revisionguides/• Design Museum - https://designmuseum.org/• V&A Museum - https://www.vam.ac.uk/• Tate Modern - https://www.tate.org.uk/visit/tate-modern• Tate Britain - https://www.tate.org.uk/visit/tate-britain
How can parents/carers help and what can be done at home?	

There many things you can do to support your child. Below is a list on how to;

- Make sure there are a range of drawing material/equipment at home.
- Support with their reading – online and hardback copy
- Encourage visiting museums and galleries
- Encourage questioning of DT even if they are not heavily invested in it
- Have simple things to encourage your child to work in 3-D available like scissors, card, glue, etc. You don't need a workshop to make things.
- Most designing is now done on computers. Help your child access free 3-D and 2-D programs.
- Encourage your child to find out about design online. Promoting independency.
- Talk with your child on the changes of technology over the past years and its impact on society/environment
- What problems can be solved around the house to help promote independent thinking
- Discuss how the 6R's - Reduce, Recycle, Repair, Rethink, Reuse, Refuse can be implemented into your everyday lives.