

Most Able

Subject: Computer Science

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 coding skills• Willingness to develop their practical skills• Has a keen interest in Computer Science• A Problem solver – Computational thinking• 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• Aware of the impact technology has on the world• An independent explorer who shows interest outside of school• Is able to learn and develop code using Python• Understands that practise will develop• Confidence in using software and programming languages• 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">• 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• Python coding – www.Repl.it• HTML coding – www.Repl.it• Block based coding- www.scratch.com• Block based/Python- www.edublocks.com• GCSE revision- https://student.craigndave.org
How can parents/carers help and what can be done at home?	
	<ul style="list-style-type: none">• Sit and read regularly with your son or daughter. Recommend books that you have read. Discuss key issues and ideas explored in the text being read. This will enable your

child to articulate their answers in computer science effectively.

- Encourage them to join extra-curricular activities in and out of school and ask questions about what was learnt.
- Use the wider reading list to stretch and challenge them.
- Talk about what they are learning in their computer science lessons and ask questions about their learning.
- Encourage your son or daughter to practise coding and debugging programs.
- Encourage your son or daughter to practise their coding skills using Scratch or Repl.it as online sources.
- Discuss the news and introduce an interesting fact or topic of the week. Alexa has a fact of the day.
- Give children a broad range of experiences, e.g. visiting exhibitions, theatre and understanding technical elements.
- Attend RAG meetings when invited (KS4)
- Practice quote chunking with them (KS4)
- Encourage a growth mindset: [Mindset Kit | What is a growth mindset?, Growth Mindset for Parents](#)
- Create a quiet space and regular time for wider reading and practising their computer skills.