

How to help your child

Subject: Computing

How to help your child	
Year 7	<ol style="list-style-type: none">1. If you can, try to provide opportunities for your child to use a wider range of information communication technology, such as keyboards, remote control devices, recording equipment or even doing the shopping for you on the internet (although you may want to enter your card details yourself!).2. Encourage your child to make the most of the computer to improve the presentation of homework by using text, graphs, pictures, sound or video and so forth. Encourage your child to revisit knowledge and skills taught in class.3. Encourage your daughter to respond to teacher feedback, making improvements to their work and catching up on anything missed.4. Reading the following articles will reinforce and expand on the in class learning:<ul style="list-style-type: none">• https://www.bbc.co.uk/news/technology-57670779• https://elearningindustry.com/scratch-the-future-programming• https://opensource.com/article/19/12/learn-python5. Visiting the following that will support their learning of the topics covered in year 7:<ul style="list-style-type: none">• Online safety activities for all ages from Childnet https://tinyurl.com/wfw6jxm• Richard Smith (Amazing ICT www.amazingict.co.uk) is sharing a range of 'how to' videos on his website and YouTube channel https://www.youtube.com/user/poundten/videos• Scratch coding (with resources) https://scratch.mit.edu/ Useful 'getting started' guide here https://scratch.mit.edu/ideas• Range of coding puzzles and activities to support the 'Hour of Code'. https://code.org/
Year 8	<ol style="list-style-type: none">1. If you can, try to provide opportunities for your child to use a wider range of information communication technology.2. Encourage your child to make the most of the computer to improve the presentation of homework by using text, graphs, pictures, sound or video and so forth. Encourage your child to revisit knowledge and skills taught in class.3. Encourage your daughter to respond to teacher feedback, making improvements to their work and catching up on anything missed.4. Reading the following articles and books will reinforce and expand on the in-class learning:<ul style="list-style-type: none">• https://www.bbc.co.uk/news/technology-57670779• https://elearningindustry.com/scratch-the-future-programming• https://opensource.com/article/19/12/learn-python5. Visiting the following that will support their learning of the topics covered in year 8:<ul style="list-style-type: none">• Tynker. Encouraging children to create, code, make websites and design games. Free access to its premium service during the school closures. https://www.tynker.com/• https://techcommunity.microsoft.com/t5/small-basic-blog/small-basic-resources-for-game-programming/ba-p/336702

<p>Year 9</p>	<ol style="list-style-type: none"> 1. If you can, try to provide opportunities for your child to use a wider range of information communication technology. 2. Encourage your child to make the most of the computer to improve the presentation of homework by using text, graphs, pictures, sound or video and so forth. Encourage your child to revisit knowledge and skills taught in class with software used in class. 3. Encourage your daughter to respond to teacher feedback, making improvements to their work and catching up on anything missed. 4. Reading the following articles and books will reinforce and expand on the in-class learning: <ul style="list-style-type: none"> • https://www.sciencemuseum.org.uk/objects-and-stories/women-computing • https://www.womenintech.co.uk/10-famous-women-technology-changed-world • https://www.thestar.com/life/together/people/2021/12/26/a-group-of-women-make-learning-about-coding-barrier-free.html 5. Visiting the following that will support their learning of the topics covered in year 9: <ul style="list-style-type: none"> • Codecademy: Web development and data science skills activities. In light of coronavirus, it is offering 10,000 scholarships to Codecademy Pro for free to high school and college students for the rest of the school year. (KS3/KS4) https://pro.codecademy.com/learn-from-home/ • Computing at School are offering weekly 10 min YouTube python video for students, teachers and parents with interactive remote learning activities https://community.computingatschool.org.uk/resources/6071/single
<p>Year 10</p>	<ol style="list-style-type: none"> 1. Encourage your child to respond to teacher feedback, making improvements to their work and catching up on anything missed. 2. Encourage your child to spend time revising from their exercise books and revision guides. Talking to your child about their learning in the subject and testing them on their knowledge will help them to commit it to their long-term memory. 3. If your child does not have a copy of the following revision guide we would highly recommend it to help support their revision. It includes all topics that they will be assessed on in their final examinations. Click here to see the main text books used in class for IT and Computer Science: <ul style="list-style-type: none"> • https://www.ocr.org.uk/qualifications/cambridge-nationals/information-technologies-level-1-2-i808/textbooks/ • https://www.amazon.co.uk/Revision-Cambridge-Nationals-Understanding-Computer/dp/1444193856 • https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/textbooks/ • https://www.pearsonschoolsandcolleges.co.uk/secondary/subjects/computer-science-and-ict-secondary/ocr-gcse-9-1-computer-science/revise-ocr-gcse-9-1-computer-science-revision-guide-1 4. Visit the following websites that will support your learning: <ul style="list-style-type: none"> • http://itslearning365.com/portalv3/course/index.php?categoryid=8 • Mr Brown CS and ICT https://www.youtube.com/channel/UCsBxDfwURg-vQASN2ZeHwg • Free revision online sessions for Computer Science https://isaacomputerscience.org/ • http://www.qcsecs.com/data-types.html

**Year
11**

1. Encourage your child to respond to teacher feedback, making improvements to their work and catching up on anything missed.
2. Encourage your child to spend time revising from their exercise books and revision guides. Talking to your child about their learning in the subject and testing them on their knowledge will help them to commit it to their long-term memory.
3. If your child does not have a copy of the following revision guide we would highly recommend it to help support their revision. It includes all four topics that they will be assessed on in their final examinations.
4. Encourage your child to start revision early – this will also be beneficial for the mock examinations.
5. Encourage your child to be organised, using a revision timetable, and also to space out the different topics they study.
6. Encourage your daughter to attend the fortnightly after-school revision sessions run by the department.
7. Have the revision guides to help and support revision
 - <https://www.ocr.org.uk/qualifications/cambridge-nationals/information-technologies-level-1-2-j808/textbooks/>
 - <https://www.amazon.co.uk/Revision-Cambridge-Nationals-Understanding-Computer/dp/1444193856>
 - <https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/textbooks/>
 - <https://www.pearsonschoolsandfecolleges.co.uk/secondary/subjects/computer-science-and-ict-secondary/ocr-gcse-9-1-computer-science/revise-ocr-gcse-9-1-computer-science-revision-guide-1>