Computer Science

Exam Board & course code			
Edexcel 1CP2			
Topics that will be taught			
Year Group	Autumn Term	Spring Term	Summer Term
Year 10	Binary and Data Representation Data Storage and Compression Basic coding structures	Hardware and Software Programming and data manipulation	Environmental, Ethical and Legal Issues Using Subprograms
Year 11	Networks and Cybersecurity Programming Challenges	Algorithms Truth Tables	Revision

What parents can do to support learning	Useful links and reference materials
Ask your child to show you their coding and explain to you what it does. Give them access to a PC/Mac on which they can install a Python development environment such as Thonny. Encourage them to spend a certain amount of time each week working on coding challenges, especially if they are relatively new to coding or lack confidence. Discuss contemporary issues in the IT world such as cyber security and the use of AI.	**Craig and Dave** https://craigndave.org/pearson-edexcel-gcse-1cp2-videos/ **Time2Code** https://time2code.today/ **Isaac Computer Science** https://isaaccomputerscience.org/ **BBC Bitesize** https://www.bbc.co.uk/bitesize/examspecs/zdqy7nb