Year 11
Transition tasks - Summer 2021 (Computer Science)

Complete this course on SQL and how to get data from a database

[Learn SQL](#)
Codecademy

Listen to this radio programme about how the marketing industry uses our sense of guilt to influence what we buy.

[Marketing: The Power of Shame](#)
BBC Sounds

Read this article about von Neumann bottleneck in CPU architecture

[Von Neumann Bottleneck](#)
Techopedia

Watch this documentary on Surveillance, Privacy, and the Dark Side of the Internet

[Black Code](#)
Nicholas de Pencier

Complete this course which is ideal for those who would like to set up a coding club for younger students when school is back open.

[Prepare to run a coding club](#)
Code Club and Raspberry Pi

Listen to this radio interview with software pioneer Dame Stephanie Shirley.

[Life Scientific](#)
BBC Sounds

Read this article about whether students should learn how to code or not – start a debate with friends about whether you agree or disagree!

[Teaching children coding is a waste of time](#)
The Telegraph

Watch this talk, On how to develop computers based on the structure of the human brain.

[Making a computer that works like the brain](#)
Bloomberg

Complete this course on developing a website in HTML

[Learn HTML](#)
Codecademy

Watch this talk on the impact that artificial intelligence and robotics will have on jobs in the future.

[The jobs we'll lose to machines - and the ones we won't](#)
TED Talk – Anthony Goldbloom

Watch this talk which explores some of the philosophical ideas surrounding artificial intelligence.

[What happens when our computers are smarter than we are?](#)
TED Talk – Nick Bostrom

Listen to this radio programme which explores whether computers can beat humans at games.

[Seriously...Game over humans](#)
BBC Sounds

Read this article about the future of teaching in the world of AI.

[Intelligent machines will replace teachers in ten years](#)
The Independent

Watch this course video from Oxford University on the links between Compute Science and Philosophy

[Computer Science and Philosophy](#)
Oxford University

Complete this courses which explores different aspects of Computer Science so you do not lose you knowledge

[Computer Science maintenance](#)
Oak National Academy