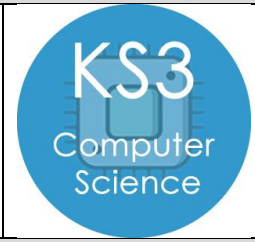


Computer Science – Explore Further

Information

Subject: **Computer Science**
Level/Course: **KS3**



Assessment

Helpful links & resources

BBC Bitesize (KS3 Computer Science) ([Link](#))

Helpful information on all areas of content in the national curriculum for the subject a KS3. Written information, as well as diagrams and practice tasks.

Knowledge Organisers

Resource created especially for content covered in Years 7 to 9 at Coombe Dean School

- Year 7 ([Link](#))
- Year 8 ([Link](#))
- Year 9 ([Link](#))

Quizlet.com

Links to sets for keywords covered and taught in Years 7 to 8.

Year 7 – [Keyword Set 1](#) | [Keyword Set 2](#)

Year 8 – [Keyword Set 1](#) | [Keyword Set 2](#)

Further reading & watching


KS3 Computing Complete Revision & Practice ([Link](#)) -

Full of revision information on all areas of Computer Science at KS3, as well as practice questions and mini tests linked to subject curriculum.


Computer Coding Python Projects for Kids: A Step-by-Step Visual Guide (DK) ([Link](#)) -

Coding projects and challenges that help to introduce students to the Python programming language introduced at Year 8 and covered through KS4 and KS5.

Computer Science – Explore Further

Information	
Subject: Computer Science Level/Course: KS4 – OCR GCSE Computer Science	
Assessment	
OCR Past Papers (Link) Official exam board website with downloadable past papers and mark schemes	
Helpful links & resources	
GCSE Computer Science OCR Complete Revision & Practice (CGP Book – Amazon) (Link) Complete revision guide and practice questions for the GCSE Computer Science course. Everything you need to pass the exams.	
BBC Bitesize (KS4 Computer Science) (Link) Helpful information on all areas of content in the national curriculum for the subject a KS3. Written information, as well as diagrams and practice tasks.	
Knowledge Organisers (Link) Resource created especially for content covered at GCSE at Coombe Dean School	
Further reading & watching	
The Social Dilemma (Netflix) – 2020 documentary that explores the ethical implications of advanced AI in social media.	
The Great Hack (Netflix) – Documentary that explores how data company ‘Cambridge Analytica’ came to symbolize the dark side of social media in the wake of the 2016 U.S. presidential election.	

Computer Science – Explore Further

Information	
Subject: Computer Science Level/Course: KS5 – OCR A Level Computer Science	
Assessment	
OCR Past Papers (Link) Official exam board website with downloadable past papers and mark schemes	
Helpful links & resources	
student.craigndave.org (Link) Detailed supportive videos for each point on the specification covered through SLRs. Used for Independent Learning at A Level and an essential resource on the course.	
IsaacComputerScience.org (Link) - Supportive information, examples and practice questions for all points on the OCR A Level specification. Extremely helpful for support in understanding topic content on the course.	
YouTube @MrGorvinCS (Link) YouTube channel create to support with computer science at A Level. Coding tutorials and other helpful videos, with more being added all the time.	
Further reading & watching	
Essential algorithms and data structures (Craig'n'Dave – Amazon) (Link) Explains all the algorithms in detail that are required for exams. Each algorithm is presented in plain English, together with typical uses, pseudocode, step-by-step illustrations and fully working code in both Python and Visual Basic.	
The Social Dilemma (Netflix) – 2020 documentary that explores the ethical implications of advanced AI in social media.	
The Great Hack (Netflix) – Documentary that explores how data company 'Cambridge Analytica' came to symbolize the dark side of social media in the wake of the 2016 U.S. presidential election.	