

Department Enrichment

Activities to Support Learning: Computer Science and Business

Watch it



Follow the links to documentaries/ programmes/online tutorials that will support learning.

- Code Break Episode 1: Learning algorithms with Hill Harper: <https://www.facebook.com/Code.org/videos/212168439992679/> New episodes will be available weekly.
- How computers work. A range of tutorials available at: <https://code.org/educate/resources/videos>
- <https://code.org/careers-in-tech> This will take students to videos that explain some of the careers in technology.
- <https://www.youtube.com/watch?v=k2AqGongii0> A 18 minute clip from The secret world of modern living: Algorithms. Suitable for KS4.
- For business students they can watch: Dragons Den, The Apprentice on BBC iplayer. <https://www.bbc.co.uk/iplayer/episode/m000h35g/dragons-den-series-17-episode-13>
- Undercover boss is available on Channel 4 on Demand. <https://www.channel4.com/programmes/undercover-boss>

Explore it



Have a look at the following websites. There are lots of activities, quizzes and materials that may help to develop your knowledge and understanding of the subject.

- Suitable for KS3 and KS4: <https://studio.code.org/home> Students are completing a project through this website but it has plenty of activities and quizzes.
- <https://www.bbc.co.uk/bitesize/subjects/zvc9q6f> Suitable for KS3 and KS4. This website offers research, quizzes and videos to develop understanding.
- <https://scratch.mit.edu/> Suitable for KS3 to help develop block based programming.
- <https://www.101computing.net/category/gcse-concepts/> Provides GCSE computing concepts and quizzes for KS4.
- For business students: <https://www.bbc.co.uk/bitesize/examspecs/zvwb382>
- Seneca Learning: <https://www.senecalarning.com/>

Try it



Why not challenge yourself and complete one of these extension tasks?

- <https://hourofcode.com/uk> Students can try and create their own game and will be presented with a certificate at the end.
- Investigate cyberbullying and create a document to explain it to the new Y7's.
- <https://projects.raspberrypi.org/en/projects/mystery-letter> This project will create a mystery letter that looks like each word has been cut from a different newspaper, magazine, comic or other source.
- <https://codecombat.com/> Set up a new account and CodeCombat is a game-based computer science program where students type real code and see their characters react in real time.
- Develop a business plan for a business you wish to set up.
- Develop a business card, logo for your new business.

