KS3 Computer Science

Core textbooks

- CGP – Key Stage Three Computing Complete Revision & Practice

Further resources to aid with KS3 curriculum

- Seneca
- BBC Bitesize
- Computer Science Shared Area
- Teach ICT
- Code.org

Take it further

To extend and develop your subject knowledge and understanding do look at resources outside of the KS3 curriculum. The resources below are not an exhaustive list.

Please do discuss with the Computing department anything in particular that you are interested in finding out about and we can point you in the right direction.

Topic	Read	Listen	Watch	Explore and visit
Term 1 - Computer networks	- If you give a mouse an iPhone by Ann Droyd - The Technology Tail by Julia Cook - Trapped in a video game by Dustin Brady	- AllofICT Podcast - https://player.fm/series/allofict - Technologist KS3 Radio Show podcast by Ken Saunders III	- Crash Course: Computer Science (2017–)(YouTube) - https://youtu.be/QvyTEx1wyOY	- The National Museum of Computing, Bletchley Park - The Retro Computer Museum Leicestershire - The Centre for Computing History - The Postal Museum London

Term 1 - Cybersecurity	• If you give a mouse an iPhone by Ann Droyd • The Technology Tail by Julia Cook • Trapped in a video game by Dustin Brady • https://futurumcareers.com/can-we-trust-what-we-see-online	• AllofICT Podcast - https://player.fm/series/allofict • Can we trust what we see online? podcast - by Dr Elvira Perez Vallejos • Technologist KS3 Radio Show podcast by Ken Saunders III	• Crash Course: Computer Science (2017–)(YouTube) • https://youtu.be/QvyTEx1wyOY	• The National Museum of Computing, Bletchley Park • The Centre for Computing History • Imperial War Museum London • The National Cyber Security Centre • IBM Think Tours - London
Term 2 - Memory and storage	• Doll -E 1.0 by Shanda McCoskey • The Technology Tail by Julia Cook	• AllofICT Podcast - https://player.fm/series/allofict • Technologist KS3 Radio Show podcast by Ken Saunders III	• Crash Course: Computer Science (2017–)(YouTube) • https://youtu.be/QvyTEx1wyOY	• The National Museum of Computing, Bletchley Park • The Retro Computer Museum Leicestershire • The Centre for Computing History
Term 2 - Computer Systems	• Doll -E 1.0 by Shanda McCoskey • Interstellar Cinderella by Deborah Underwood • If you give a mouse an iPhone by Ann Droyd • Trapped in a video game by Dustin Brady	• AllofICT Podcast - https://player.fm/series/allofict • Technologist KS3 Radio Show podcast by Ken Saunders III	• Crash Course: Computer Science (2017–)(YouTube) • https://youtu.be/QvyTEx1wyOY	• The National Museum of Computing, Bletchley Park • The Retro Computer Museum Leicestershire • The Centre for Computing History

Term 3 - Algorithms	• Doll -E 1.0 by Shanda McCoskey • Interstellar Cinderella by Deborah Underwood • How to code a sandcastle by Josh Funk • The Technology Tail by Julia Cook • Minecraft: Diary of a Minecraft Zombie Series by Zack Zombie • Secret Coders by Gene Luen Yang • Trapped in a video game by Dustin Brady • *https://futurumcareers.com/can-we-trust-what-we-see-online*	• AllofICT Podcast - https://player.fm/series/allofict • Can we trust what we see online? podcast - by Dr Elvira Perez Vallejos • Technologist KS3 Radio Show podcast by Ken Saunders III	• Crash Course: Computer Science (2017–)(YouTube) • https://youtu.be/QvyTEx 1wyOY	• Legoland Discovery Centre with Lego Education • The Science Museum • Legoland Discovery Centre with Lego Education •
Term 4 - Programming	• Doll -E 1.0 by Shanda McCoskey • Interstellar Cinderella by Deborah Underwood • If you give a mouse an iPhone by Ann Droyd • How to code a sandcastle by Josh Funk • The Technology Tail by Julia Cook • Minecraft: Diary of a Minecraft Zombie Series by Zack Zombie • Secret Coders by Gene Luen Yang • Trapped in a video game by Dustin Brady	• AllofICT Podcast - https://player.fm/series/allofict • Technologist KS3 Radio Show podcast by Ken Saunders III	• Crash Course: Computer Science (2017–)(YouTube) • https://youtu.be/QvyTEx 1wyOY	• E4K (Engineering 4 Kids) offers coding and robotic workshops • The Science Museum • The Retro Computer Museum Leicestershire • The Centre for Computing History • Legoland Discovery Centre with Lego Education • The National Videogame Museum Sheffield

| Term 5 - Boolean logic | • The Technology Tail by Julia Cook
• Minecraft: Diary of a Minecraft Zombie Series by Zack Zombie | • AllofICT Podcast - https://player.fm/series/allofict
• Technologist KS3 Radio Show podcast by Ken Saunders III | • Crash Course: Computer Science (2017–)(YouTube)
• https://youtu.be/QvyTEx1wyOY | • The National Museum of Computing, Bletchley Park
• The Retro Computer Museum Leicestershire
• The Centre for Computing History
• Legoland Discovery Centre with Lego Education
• The Science Museum
• The National Videogame Museum Sheffield |