Year 7 Computer Science

Below are the topic areas covered over this academic year. Please use the resources to help improve and embed the learning you have completed in school.

Autumn Term	
Topic Area	**Resources**
E-Safety	Online dangers - Online safety - KS3 Computer Science Revision - BBC Bitesize
How to stay safe online	How to stay safe online - Online safety - KS3 Computer Science Revision - BBC Bitesize
Abstraction	https://www.bbc.co.uk/bitesize/guides/zttrcdm/revision/1
Decomposition	What is decomposition? - Decomposition - KS3 Computer Science Revision - BBC Bitesize
Computational Thinking	What is computational thinking? - Introduction to computational thinking - KS3 Computer Science Revision - BBC Bitesize

Spring Term	
Topic Area	**Resources**
Basics of Programming	What is programming? - Introduction to programming - KS3 Computer Science Revision - BBC Bitesize
Creating a Program	Creating a program from an algorithm - Introduction to programming - KS3 Computer Science Revision - BBC Bitesize
Scratch Programming	Scratch in Practice (mit.edu)
Spreadsheets	How spreadsheets work - Spreadsheets - KS3 ICT Revision - BBC Bitesize
Formatting	https://www.bbc.co.uk/bitesize/guides/zdydmp3/revision/1
Formulas	Formulas and functions - Spreadsheets - KS3 ICT Revision - BBC Bitesize
Charts and Graphs	Charts and graphs - Spreadsheets - KS3 ICT Revision - BBC Bitesize

Summer Term	
Topic Area	**Resources**
Healing Tools	https://youtu.be/x38hUAbeSnI
Clipping Mask	https://youtu.be/gUVKZqT6syg
Selection Tools – Photoshop	https://youtu.be/a6XUqSabqlY
Ethics / AI Generation	https://www.bbc.co.uk/bitesize/guides/z9nk87h/revision/1