

Year 8 Computing Curriculum



What will you learn?

Topic(s)

Unit 1 - E-Safety
Unit 2 - Website Design
Unit 3 - Understanding Computers
Unit 4 - Programming
Unit 5 - Spreadsheet Modelling
Unit 6 - Micro Bits

How will you be assessed?

Overall assessment

End of Unit Test and Project work

End of Year assessment

Project Work

Which resources should you use?

Books, websites, online resources, trips and visits

Websites:

<https://www.w3schools.com/> <https://code.org/learn>
<http://www.learnpython.org/>
www.python.org <https://www.cambridgegcsecomputing.org/register-as-a-learner> <http://microbit.org/code/> BBC Micro-bit
<http://www.thinkyouknow.co.uk/> http://www.teach-ict.com/gcse_new/gcse_ict_quizzes.htm

Further reading:

Books: Trigger Happy: The inner life of videogames - Stephen Poole,
Accidental Empires - Robert X Cringely

Magazines: Wired, New Scientist

Visit: The National Museum of Computing: <https://www.tnmoc.org/>



What independent work can you do?

Books, websites, online resources

Use the VIP Zone, there you will find:

- An 'Independent Learning' folder full of resources and ideas to support your learning
- PLCs [Personal Learning Checks] - use these to rate your understanding of each topic and to recap and stretch your knowledge and skills.

Start revising. Try some of these to improve your understanding of each lesson and to help you prepare for assessments.

- **Summarise your notes:** Identify the key ideas and essential details. This technique improves understanding and retention by making information clearer and more manageable.
- **Flashcards:** Write key information on cards, don't forget to include an example
- **Mind maps:** Visually organize information by creating diagrams that connect ideas. This helps you see the relationships between topics.
- **Mnemonics:** Use songs, rhymes, or acronyms to help remember facts and figures.
- **Recording and replaying:** Record yourself reading notes and listen back to them.
- **Sticky notes:** Write / draw a key point on each note and place them around your house to help with memorisation.

Watch this: BBC Bitesize [The Best Memory Hacks to Help Your Revision](#)