

Subject Curriculum Overview for Academic Year 2022/2023

Subject: Computing for all		Subject Leader: L Kenvyn	Year Group: 9	AUTUMN TERM
Topic	Key Learning Points		Key Vocabulary	Assessments
Information technology	<ul style="list-style-type: none"> • Able to define the term spreadsheet • Can explain why spreadsheets are used • Can use formatting skills in excel • Can use math operators in excel • Can use basic functions in excel • Can create graphs in excel • Can perform formatting in a word document • Can use excel to create a budgeting document 		Spreadsheet Savings Tables Sheets Cells Formatting Functions Stocks Salary Budgeting CV Risk	<p>Students will be assessed formatively through the completion of recall tasks along with a formal end of half term assessment completed under exam conditions.</p> <p>The assessment will largely be multiple choice and short answer questions.</p> <p>The assessment will monitor understanding of essential knowledge from a variety of different modules learnt throughout this year.</p>

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Subject: Computing for all		Subject Leader: L Kenvyn	Year Group: 9	SPRING TERM
Topic	Key Learning Points		Key Vocabulary	Assessments
Computer science	<ul style="list-style-type: none"> • Be able to explain the parts of a PC • Be able to explain how and why a PC should be upgraded • Be able to explain IOE and emerging technologies • Be able to explain the ethics of AI • Be able to explain why software licencing exists • Be able to explain the damage of piracy 		CPU RAM Storage GPU PSU Motherboard AI IOE Network Ethics AR VR Licencing Copyright Piracy	<p>Students will be assessed formatively through the completion of recall tasks along with a formal end of half term assessment completed under exam conditions.</p> <p>The assessment will largely be multiple choice and short answer questions.</p> <p>The assessment will monitor understanding of essential knowledge from a variety of different modules learnt throughout this year.</p>

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Subject: Computing for all		Subject Leader: L Kenvyn	Year Group: 9	SUMMER TERM
Topic	Key Learning Points		Key Vocabulary	Assessments
Digital media	<ul style="list-style-type: none"> • Able to create digital images • Able to repurpose digital images • Able to identify edited digital images • Able to identify edited videos • Understand the effects of edited digital media • Able to explain the difference between truth and fact • Able to digitally reference 		Photoshop Layers Tools Blur Merge Artifacts External Assets Lighting Stuttering Distortion Credibility Referencing	<p>Students will be assessed formatively through the completion of recall tasks along with a formal end of half term assessment completed under exam conditions.</p> <p>The assessment will largely be multiple choice and short answer questions.</p> <p>The assessment will monitor understanding of essential knowledge from a variety of different modules learnt throughout this year.</p>

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How parents can support learning in the subject this academic year

Encourage students to use computers for other reasons other than social media and gaming.

The more experience at a young age with technology can build a level of fluency with technology, enabling students to build skills that employers find useful.

Recommended Reading

- Money matters - <https://www.young-enterprise.org.uk/your-money-matters-england/>
- Evolving technology - <https://www.discovertec.com/blog/evolution-of-technology>
- Real vs fake - <https://www.mindtools.com/pages/article/fake-news.htm>

Points to note

This year 9 subject is for all students, it does not cover any content taught as part of the year 9 Computer Science GCSE syllabus.

The aim of this subject is to build skills that students will be able to implement into day-to-day life.

The first unit focuses on teaching personal finance through technology.

The second unit focuses on showing how technology is evolving and being integrated into day-to-day technology.

The third unit focuses on how to identify real and fake information on the internet (images, video and text).