

COMPUTING

Year 9

IOIO
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Understanding Computers

Students will explore the core elements of computers, including the CPU and various storage devices. They will delve into binary systems, learning binary addition, and examine the convergence of new technologies, providing a comprehensive understanding of computer fundamentals.

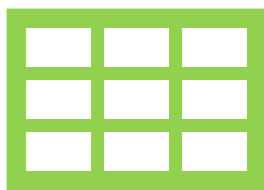


How I'll be assessed...

- Formative:** Kahoot Quiz- Hardware/Software
- Summative:** End of Topic Test- Computer Components

Further Graphics

This term focuses on advanced graphic design skills. Specific lessons will be confirmed, but students will continue to build on their knowledge and expertise in digital graphics, enhancing their ability to create sophisticated visual content.



How I'll be assessed...

- Formative:** Practical Exercises and Design Challenges
- Summative:** End of Topic Exam- Graphics

HT1

HT2

HT3

Spreadsheet Modelling

Students will learn about computer models and create financial models using spreadsheets. They will explore "What if?" scenarios, apply conditional formatting and validation, and use macros, charts, and graphs to present data effectively, developing their data analysis skills.



How I'll be assessed...

- Formative:** Demonstration of Spreadsheet Skills
- Summative:** End of Topic Test- Spreadsheet Skills and Principles

Interactive Multimedia

Students will work on a project promoting "Summer at Greenwood" summer camp. They will plan, create, and evaluate an interactive multimedia product using PowerPoint. The planning phase includes analysing the client brief and creating mind maps, mood boards, and visualisation diagrams. They will utilize various PowerPoint tools like hyperlinks, action buttons, animations, transitions, and graphics to develop their product.



How I'll be assessed...

- Formative:** Mindmapping and Project Planning
- Summative:** Exported Multimedia Presentation

HT4

Video Editing

Building on their previous experience with Microsoft Clipchamp, students will learn advanced video editing skills. They will import media, add text-to-speech, organize timelines, and incorporate video effects and transitions. The term culminates in producing a promotional video for the "Summer at Greenwood" camp using provided assets.



How I'll be assessed...

- Formative:** Basic skill application in ClipChamp
- Summative:** Exported Teaser Trailer Video

HT5

Coding with Kodu

Students will be introduced to coding with Kodu Game Lab. They will learn the basics of how programs work, create landscapes, navigate and path, and use clones and creatables. The course will cover pages and selection, leading to an understanding of game depth and complexity, fostering their coding and game design skills.

HT6

How I'll be assessed...

- Formative:** Progress Check-ins and Troubleshooting
- Summative:** Showcase Final Game