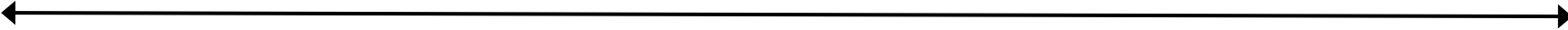




ICT Key Stage 4 Curriculum Overview

| | | Week 1  Week 39 | | | | | |
|--|-----------------|---|---|---|---|---|--|
| | | Autumn | | Spring | | Summer | |
| Key content (know that...know how...) | | <ul style="list-style-type: none"> ○ Computing devices ○ Solid state devices ○ Magnetic storage ○ Optical storage ○ Cloud storage ○ Internal components ○ Systems software | <ul style="list-style-type: none"> ○ Planning a digital graphics ○ Elements of logo design ○ Image properties ○ Static image files ○ Designing an image ○ Sourcing assets ○ Photoshop skills | <ul style="list-style-type: none"> ○ Utility software ○ Applications software ○ Online services ○ Smart technology ○ Artificial intelligence ○ Autonomy ○ Immersive technology | <ul style="list-style-type: none"> ○ Intro to databases ○ Entity relationship modelling ○ Table design ○ Data interrogation ○ Data entry | <ul style="list-style-type: none"> ▪ Image capture and manipulation ▪ Management information systems ▪ E-commerce services ▪ Assistive technologies | <ul style="list-style-type: none"> ▪ Create and modify a database ▪ Database functionality ▪ Queries and reports ▪ Creating forms ▪ Testing the database ▪ Evaluating the database ▪ NEA scrapbook ▪ |
| | Prior Knowledge | <p>Students will have a basic understanding of what computing devices are, They will have heard of solid state drives and understand that they are a type of storage device. Students will be aware of cloud storage (google drive/one drive). Students will be familiar with essential internal components of a computer and they will know the basic functions of them,</p> | <p>Year 7 – ICT project – presentations Year 8 – Hawkley travels – Information presentation Year 9 – Digital Imagery</p> | <p>Networks – concept of utility software and some knowledge of application software, including word processors, spreadsheet programs and presentation software. The will be aware f online email platforms and cloud storage and will understand the basics of creating accounts and communicating online and sharing content.</p> | <p>KS3 – Digital Literacy databases</p> | | |

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|--|---|---|---|
| <p style="text-align: center;">Assessments</p> | <p>Composite – Multiple choice questions <i>knowledge assessed; computing devices, solid state, magnetic storage</i> <i>Knowledge assessed – portfolio that demonstrates planning a digital graphic, logo design, image properties</i> Composite – multiple choice questions <i>knowledge assessed: optical storage, cloud storage, internal components, systems software</i> Component assessment – <i>knowledge assessed – computing devices, solid state devices, magnetic storage, optical storage, cloud storage, internal components, systems software</i></p> | <p>Composite – multiple choice and extended answers <i>key knowledge assessed : utility software, application, online services, smart technology</i> Composite assessment ; queries and reports Composite - Composite – multiple choice and extended answers <i>key knowledge assessed artificial intelligence, autonomy, immersive technology</i> Component assessment – utility software, application software, online services, smart technology, artificial intelligence, autonomy, immersive technology</p> | <p>Composite – management information systems, e-commerce services, assistive technologies Composite – modify a database, produce queries and customised report Component – NEA practice that covers all sections</p> |
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