

**KS2**

- 1666 Great Fire of London: Creating a past and present timeline in PowerPoint. Create a cityscape of the great Fire of London using graphics and formatting shapes. Develop skills, using tools in PowerPoint to create a fire story and complete a dot to dot using the line tool.
- Habitats: Different habitats around the world. Research habitat graphics online and use wrap text in Word. Google Earth Pro and Street view. Investigation into habitats at MHSC. Using maps and ICT to collect evidence. Human adaptations to habitats. Word skills. How organisms adapt to their habitat. Create own imaginary organism using graphics.
- Space Explorers: Web browsers, searching online. Drawing tools in PowerPoint. Shapes, outline, gradient, texture, shape effects. Google Earth Pro. Copy and paste graphics in Word. Animation in PowerPoint. Control: navigating a specific website.

**Year 7**

- Health – Ergonomics, health risks of using ICT and protection. Working with graphics in desk top publishing software.
- Physical safety – hazards and solutions. Stop-frame animation. Video editing skills, time permitting.
- E-Safety – cyberbullying and trolls, stranger danger and safer strangers, good and bad attention online, social networking, MHSC DSL's.
- Graphics and formatting skills in desk top publisher and word processing software.

**Year 8**

- Data and information
- Computer Systems
- Hardware (outside & inside a computer)
- Health & Safety recall
- Data Security – cybercriminals and intruders, software and physical security, computer viruses
- E-Safety – who can help? Personal information, digital footprint, scams, identity theft, image manipulation, predators, fake news and website validity, radicalisation and terrorism, email etiquette.
- ICT & Society – ICT at school, at home and in the community.

**Year 9**

- Data and information
- Computer Systems
- Hardware (outside & inside a computer)
- Health & Safety recall
- Data Security – cybercriminals and intruders, software and physical security, computer viruses
- E-Safety – who can help? Personal information, digital footprint, scams, identity theft, image manipulation, predators, fake news and website validity, radicalisation and terrorism, email etiquette.
- ICT & Society – ICT at school, at home and in the community.

**Year 10**

Entry Level

- IT user fundamentals: setting up a PC and workstation, customisation/personalisation, storage media,
- Presentation skills: Health and safety – Health and IT, including ergonomics, physical safety and IT, expert support and problem solving, data security, computer viruses, software and physical protection, cyber bullying, stranger danger, safer strangers, trusted adults, E-Safety top tips.
- Audio and video software: storyboard planning, superhero movie trailer editing and production.

**Year 10**

Level 2

- Qualification and music festival topic introduction.
- Planning, research and investigation.
- IT laws - Copyright, Designs and Patents Act, Computer Misuse Act and Data Protection Act.
- Graphic design – business logo and graphic drawing.
- Email software tools and techniques - e-signature, address book, attachments, file compression, record video demo, netiquette, scams and E-Safety, verification, problem solving, out of office reply, organizing, storing and archiving emails, deleting and retrieving emails.
- Video editing software – storyboards, superhero movie trailer and teaser video.

**Year 11**

Entry Level

- Spreadsheet software: organising data, key vocabulary, spreadsheet scenarios, spreadsheet problem-solving, charts, personal spreadsheet development, spreadsheet testing and checking for errors, data capture form and spreadsheet survey.
- Using email software: e-signature, file attachment, forward, sent folder, draft folder, address book, spelling and grammar check, email safety and netiquette, solving email issues, blocking senders, scams and fishing emails, out of office reply, organising and storing emails, deleting email messages, archiving emails.

**Year 11**

Level 2

- IT laws - Copyright, Designs and Patents Act, Computer Misuse Act and Data Protection Act.
- Spreadsheets and databases –music artists database, sorting and filtering data, problem solving tasks, planning and spreadsheet model, formatting, formulae and functions, showing formulas, spreadsheet testing and error checking.
- Presentation – ticket price recommendation, tables and charts.
- Downloadable flyer design – desk top publishing software
- Audio promo – audio recording software, timeline and script planning.
- Mobil app – multimedia software, structure diagram, storyboard planning, testing prototype.
- Project analysis, evaluation and review.