Key Stage 3 Curriculum Map ICT/Computing

	Autumn Half Term 1	Autumn Half Term 2	Spring Half Term 1	Spring Half Term 2	Summer Half Term 1	Summer Half Term 2
	Knowledge acquired					
Year 7	**Intro to ICT – The Basics**	**Word Processing**	**Access to Learning**	**Using the internet safely**	**Using emails and staying safe**	**Intro. to using iPads**
	Skills acquired					

- Being able to competently navigate around the desktop safely
- Know the dangers of the internet and access websites/navigate around
- Access own emails, send emails, receive emails and know how to stay safe.
- Using Microsoft Word to input data and create documents such as posters
- Navigate around the iPads confidently using preferred accessibility method.

Digital Literacy Skills Acquired:

Digital accessibility and independence
Digital communication and collaboration
Digital content creation
Information and file management
Online safety and cyber security
Internet research and information access
Efficient use of digital devices and applications

<u>Communication and Oracy Skills</u>

Verbal communication using appropriate digital terminology
Professional digital communication
Collaborative working and teamwork
Active listening and responding to others
Explaining ideas and decision-making processes
Discussing online safety and digital citizenship
Providing and acting upon feedback

Year 8/9

Key Assessments taking place

- End of unit assessments
- Quizzes on each unit
- Feedback on each piece of work set via Classroom
- Live assessment and verbal feedback during lessons

Autumn Half Term 1	Autumn Half Term 2	Spring Half Term 1	Spring Half Term 2	Summer Half Term 1	Summer Half Term 2
Knowledge acquired					
Hardware, Software, Networks	**Ethical Issues and Technology**	**Excel and Data Handling**	**PowerPoints and Presenting**	**Research and the Real World**	**iPad Unit 2**

Skills acquired

Making safe, responsible and informed decisions when using technology
Understanding how digital devices, software and networks work
Analysing and interpreting data to support decision-making
Solving problems using digital tools and technology
Creating purposeful and accessible digital content
Researching, evaluating and using information effectively
Applying technology to real-world situations and everyday tasks
Developing digital independence through the use of accessibility features and assistive technology
Understanding the ethical, legal and social implications of technology
Planning, organising and completing digital projects

<u>Digital Literacy Skills</u>

Understanding the ethical, legal and environmental impacts of technology
Using technology safely, responsibly and securely
Understanding computer hardware, software and networks
Collecting, organising and analysing data using spreadsheets
Using formulas and digital tools to solve problems

Creating effective and accessible presentations
Researching, evaluating and applying information from digital sources
Using technology to support independent living and real-world tasks
Making informed decisions using digital information and data
Applying accessibility features and assistive technologies appropriately

Communication and Oracy Skills

Discussing ethical, legal and social issues relating to technology
Explaining how computer systems, hardware and networks function
Presenting information clearly to an audience
Justifying design choices in digital presentations
Interpreting and communicating findings from data
Using appropriate technical and digital vocabulary
Evaluating digital information and expressing reasoned opinions

Key Assessments Taking Place

- End of unit assessments
- Quizzes on each unit
- Feedback on each piece of work set via Classroom
- Live assessment and verbal feedback during lessons

Digital Literacy and Data Collection	**eSafety Unit**	**App Design Unit**	**HTML Coding**	**Computational Thinking and Problem Solving**	**Algorithms and Boolean Logic**
Skills acquired					

Evaluating the reliability and credibility of information sources
Planning, designing and creating digital content
Collecting, analysing and interpreting data
Collaborating effectively using digital technologies
Applying accessibility features to support independent learning
Understanding online safety, privacy and digital citizenship
Computational thinking and logical problem-solving
Designing and developing digital products (websites and apps)
Debugging, testing and improving solutions
Using algorithms and logical rules to solve problems
Making informed decisions using evidence and data
Project planning and organisation
Presenting information for different audiences and purposes
Working independently and reflecting on improvements

Digital Literacy Skills

Using effective search techniques to locate relevant information
Creating and formatting digital content for different audiences
Collecting, analysing and presenting data digitally
Creating and sharing multimedia content
Collaborating using digital tools and shared documents
Using accessibility features and assistive technology independently
Understanding digital privacy, security and personal information management
Evaluating the credibility and reliability of online content
Designing and developing digital products (websites and apps)
Applying computational thinking to solve digital problems
Using digital tools safely, responsibly and effectively

Communication and Oracy Skills

Communicating information clearly and confidently Using subject-specific and technical vocabulary accurately Explaining processes, methods and solutions logically Presenting ideas for different purposes and audiences Evaluating information and expressing informed opinions Justifying decisions using evidence and reasoning Working collaboratively and communicating effectively with others
Key Assessments taking place
• End of unit assessments • Quizzes on each unit • Feedback on each piece of work set via Classroom • Live assessment and verbal feedback during lessons

Home learning opportunities:

Opportunities are adapted to meet individual visual needs and take account of differences in technology access, assistive technology requirements, learner independence and support available at home.

Learners are encouraged to develop digital independence through the use of assistive technology, accessibility features, digital communication, online services, organisation tools and information resources. Opportunities focus on applying technology in everyday situations including travel, leisure, communication and personal organisation, whilst recognising variations in device access, visual needs and support available at home.

- Using accessibility features to complete everyday tasks independently.
- Using digital assistants (Siri, Google Assistant, Alexa) to access information and set reminders.
- Using travel apps to check journeys, routes and timetables.
- Accessing audiobooks, podcasts and digital reading materials.
- Managing personal schedules using calendars and reminder apps.
- Sending appropriate emails or messages to communicate with others.
- Using online shopping, food ordering or leisure websites with support where appropriate.

- Exploring accessible apps that support independence and daily living.
- Practising keyboard, touch-screen or screen-reader skills through regular device use.
- Using technology to pursue personal interests, hobbies and leisure activities.