

Stone Hill School
Curriculum Plan 2020/21
Computing Year 8

Intent: To Identify different software and present their ideas within a creative way.
To recognise common uses of information technology beyond school.
To have basic understanding of how to plan, create and present their own blog.
To become familiar with spreadsheets and their uses.
To learn the structure of the language of Logo.

Term	Week/s	Topic/Theme <i>Key vocabulary including Tier 3 subject specific words</i>	Learning Outcomes Knowledge and Skills To know, to use, to apply...	Links to: Literacy, Numeracy, SMSC, Gatsby Benchmarks
Autumn 1	1-7	Photo Stories – Movie Creation <i>Animation Image E-Book Font File Sound Effect</i>	Capture a video / photographs using appropriate software in a creative way.	Literacy – Reading Decoding. Reading with support. Reading independently. Talk or write about text/pictures. Ask questions. Answer questions.
Autumn 2	8-15	Online Safety <i>Password Internet Username Website Webpage Spoof website PEGI rating</i>	To use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Give opinion. Listen to an opinion. Develop vocabulary. Comprehend. Research. Literacy – Writing Make marks on material. Practise spelling. Write with support. Write independently. Write for a purpose. Present work.
Spring 1	1-6	Blogging <i>Audience Blog Blog page Blog post Collaborative Icon</i>	To understand how a blog can be used as an informative text. To work collaboratively to plan a blog. To create a blog with a specific purpose.	Correct own work. Act on feedback. Summarise. Literacy – GPS/Spoken Language Take part in discussion. Use new vocabulary. Present information and opinions. Act on feedback for spoken language.
Spring 2	7-12	Exploring Simulations <i>Simulation</i>	To know that a computer simulation can represent real and imaginary situations. To explore a simulation. To begin to evaluate simulations by comparing them to real situations. To evaluate a simulation to determine its usefulness for purpose.	Numeracy – Problem-Solving Skills Working systematically. Visualisation. Logical reasoning. Trial and improvement. Pattern spotting
Summer 1	1-5	Managing Data <i>Spreadsheet Copy and Paste Columns Cells Delete key</i>	To create simple formulae that use different variables. To use a spreadsheet to work out which letters appear most often. To use the 'how many' tool. To use a spreadsheet to model a real-life situation.	Geometry/Position and Direction Skills Construct shapes/nets. Read and plot coordinates. Statistics Skills Interpret a pictogram/ bar/tally/line/pie chart. Organising and presenting data. SMSC – Spiritual Be Creative.

		Equals tool Move cell tool Rows		Use imagination. Reflect on own success. SMSC – Moral Recognise right and wrong. Respect the law. Understand consequences. Investigate moral and ethical issues. SMSC – Social Accept the rule of law. Demonstrate mutual respect. Cooperate with others.
Summer 2	6-12	Logo BK – move backwards a distance of units. FD – move forward a distance of units. RT – turn right a given number of degrees. LT – turn left a given number of degrees.	To know what common instructions are in Logo and how to type them. To follow simple Logo instructions to create shapes on paper. To follow simple instructions to create shapes in Logo. To follow Logo code to predict the outcome. To create shapes using the Repeat function.	

Intended impact: For pupils to use technology safely and respectfully, keeping personal information private.
 For pupils to identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.
 For pupils to understand the approval process that are associated with online posts.
 For pupils to use a spreadsheet to plan simple events.

