Stone Hill School
Curriculum Plan 2020/21
Computing Year 11

Intent: To select and use software applications to meet needs and solve straightforward problems.

To process and analyse numerical data.

To understand the need to stay safe and to respect others when using ICT-based communication.

Term	Week/s	Topic/Theme *Key vocabulary including Tier 3 subject specific words*	Learning Outcomes Knowledge and Skills To know, to use, to apply…	Links to: Literacy, Numeracy, SMSC, Gatsby Benchmarks
Autumn 1	1-7	**Functional Skills: Online Safety** *Digital footprint* *Password* *PEGI rating* *Phishing* *Screen time*	**Identify benefits and risks of mobile devices broadcasting the location.** **To understand the meaning of a digital footprint.** **To understand the importance of balancing game and screen time with other parts of their lives.**	**Literacy** – R**eading** Decoding. Reading with support. Reading independently. Talk or write about text/pictures. Ask questions. Answer questions.
Autumn 2	9-15	**Functional Skills: Finding and selecting information.** *Font* *Formatting* *Information* *Bold* *Italic* *Underline*	**To apply editing, formatting and layout techniques to meet needs.** **To recognise and take account of currency, relevance, bias and copyright when selecting and using information.**	Give opinion. Listen to an opinion. Develop vocabulary. Comprehend. Research. **Literacy** – **Writing** Make marks on material. Practise spelling. Write with support.
Spring 1	1-6	**Functional Skills: Develop and present information.** *Formula* *Formula Wizard* *Move cell tool* *Random tool* *Rows* *Spin Tool* *Spreadsheet*	**To use appropriate software to meet the requirements of a complex data-handling task.**	Write independently. Write for a purpose. Present work. 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	**Functional Skills: Communicate information.** *Communication* *Software* *Evaluate*	**To use communications software to meet requirements of a functional task.** **To evaluate own use of ICT tools.**	**Numeracy** – **Problem-Solving Skills** Working systematically. Visualisation. Logical reasoning. Trial and improvement. Pattern spotting
Summer 1	1-5	**Functional Skills: Assessments**		**Geometry/Position and Direction Skills** Construct shapes/nets. Read and plot coordinates.
Summer 2	6-8	**Game design with code** *Animation* *Code* *Computer game* *Customise.* *Instructions* *Interactive*	**To describe some of the elements that make a successful game.** **To make a game more unique by selecting the appropriate options to maximise the playability.**	**Statistics Skills** Interpret a pictogram/ bar/tally/line/pie chart. Organising and presenting data. **SMSC – Spiritual** Be Creative. 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.
				Gatsby Benchmark 4: Linking curriculum learning to careers.

Intended impact: To give pupils the skills to operate confidently, effectively and independently in education, work and everyday life.