Newton Hill Community School: Progression Documents

Computing: Year Group: 6

S. Carrier	A. Course
*	i z
C	-

Learners will consider small-scale	Information Technology				
systems as well as large-scale	Pupils will be supported in organising				
systems.	data into columns and rows to create				
They will explain the input,	their own data set.				
output, and process aspects of a	They will be taught the importance of				
variety of different real-world	formatting data to support calculations,				
systems.	while also being introduced to formulas				
Pupils will also take part in a	and will begin to understand how they				
collaborative online project with	can be used to produce calculated data.				
other class members and develop	·				
their skills in working together	Digital Literacy:				
online.	Use technology safely, respectfully and				
	responsibly; recognise				
Information Technology	acceptable/unacceptable behaviour;				
Pupils search with greater	identify a range of ways to report				
complexity for digital content	concerns about content and contact				
when using a search engine.	See 'Online Safety'.				
Pupils are able to explain in some					
detail how credible a webpage is					
and the information it contains.					
Pupils will use the Purple Mash					
application '2Design' to design					
and print their own 3D model.					
Pupils will create their own					
database that will then be used to					
group and organise data e.g.					
through the Year 5 history unit					
where they can create data for					
Egyptian gods.					
Digital Literacy:					
Use technology safely, respectfully					
and responsibly; recognise					
acceptable/unacceptable					
behaviour; identify a range of					
ways to report concerns about					
content and contact					
See 'Online Safety'.		_			
Common Misconceptions	Key Questions:	Famous Peo	Famous People Links		

- Misunderstanding of key vocabulary.
- Tools and their functions.
- Use of simulations.
- Coding accuracy.
- Debugging accuracy.
- Use of different variables.
- Sharing.
- Plagiarism / sources.

- What factors do you need to consider when creating a quiz?
- Name three question types in 2Quiz.
- Apart from the questions, what else does a quiz need to contain?
- What is the difference between the Internet and the World Wide Web?
- What is the difference between a LAN and a WAN?
- Who is Tim Berners- Lee?
- Why do I need to be aware of the dangers of being online?
- What is meant by my digital footprint?
- Why is it important to think about how much time use a screen for?
- How can you use Tabs in 2Code Gorilla?
- What is a function in coding? Give an example that you have used in 2Code Gorilla.
- In 2Code Gorilla, how can a program receive user input?

- Charles Babbage First person to make a mechanical computer.
- Alan Turing Mathematician who famously helped break Germany's Enigma code by design a computer to decipher the code.
- John Von Neumann Mathematician who developed computer architecture. E.g. memory (RAM).
- Douglas Engelbart pioneer in the development of modern computers.
- Steve Jobs Co-founder of Apple which invented iPad, iPhone, Apple Mac.
- Philip Don Estridge Developed the first IBM personal computer which paved the way for universal parts/ peripherals.
- Bill Gates Founder of Microsoft.
- Tim Berners-Lee invented the WWW.
- https://www.sutori.com/en/story/famous-people-incomputer-history-TcHp7hWrDd1ZfLW2zQfxCs5h

Assessment Opportunities/Final Assessment

- FFT Termly Assessments
- Continuous assessment (AfL / formative).