

Computing Intent (Sticky Knowledge)

Record of progression of key skills (knowledge) and vocabulary

Sticky Knowledge can be divided into two main mains: firstly, interesting facts that will remain with pupils forever in their long-term memory and secondly, knowledge that individuals need to learn as part of the National Curriculum.

Year 1 Sticky Knowledge	Year 1 Key Vocabulary
<ul style="list-style-type: none">● I know how to create a series of instructions and plan a journey for a programmable toy● I know how to create, store and retrieve digital content● I know how to use a website and a camera● I know how to record sound and playback● I know how to use technology safely● I know how to keep my personal information private	<ul style="list-style-type: none">● Algorithm● Directional Language● Sequencing● Simple Program● Debug● Online● Communicate

	<ul style="list-style-type: none">● Share● Online Bullying● Search● Personal Information
--	---

Year 2 Sticky Knowledge	Year 2 Key Vocabulary
----------------------------	--------------------------

- I know and understand that algorithms are used on digital devices
- I know how to write a simple program and test it
- I know how to predict what the outcome of a simple program will be (logical reasoning)
- I know and can understand that programs require precise instructions and I know how to organise, retrieve and manipulate digital content
- I know how technology is used in school and outside school
- I know where to go for help if I'm concerned

- Content
- Password
- Online
- Communicate
- Share
- Online Bullying
- Search
- Personal Information
- Repeat
- Code
- Backdrop
- Sequence
- Program
- Debug
- Loops

Year 3 Sticky Knowledge	Year 3 Key Vocabulary
<ul style="list-style-type: none">● I know how to write programs that accomplish specific goals● In know how to design a sequence of instructions, including directional instructions● I know when it is best to use technology and where it adds little or no value● I know how to navigate the web to complete simple searches and understand what computer networks do and how they provide multiple services● I know how to use a range of software for similar purposes and how to collect and present information	<ul style="list-style-type: none">● eBook● Text● Illustration● Search Engine● Authenticate

- I know how to use technology respectfully and responsibly and how different ways I can get help, if I'm concerned about anything

Year 4
Sticky Knowledge

Year 4
Key Vocabulary

- I know how to give an 'on-screen' robot specific instructions that takes them from A to B
- I know how to experiment with variables to control models
- I know how to make an accurate prediction and explain why I believe something will happen (linked to programming)
- I know how to select and use software to accomplish given goals
- I know how to produce and upload a podcast
- I know and can recognise acceptable and unacceptable behaviour using technology

-

Year 5 Sticky Knowledge	Year 5 Key Vocabulary
<ul style="list-style-type: none">● I know how to use technology to control an external device● I know how to design algorithms that use repetition and 2-way selection● I know how to analyse and evaluate information● I can understand how search results are selected and ranked	<ul style="list-style-type: none">●

- | | |
|--|--|
| <ul style="list-style-type: none">● I know how to combine sequences of instructions and procedures to turn devices on and off● I know and understand that I have to make choices when using technology and that not everything is true and/ or safe | |
|--|--|

Year 6 Sticky Knowledge	Year 6 Key Vocabulary
<ul style="list-style-type: none">● I understand how computers are able to communicate and share information● I know how to use and combine services on the internet to share information● I know how to use more than one piece of software to complete a task● I know how to protect my computer/device from harm on the internet● I know how to report concerns about content both in and out of school● I know how to combine software and hardware to solve real life problems● I know how to use loops, variable and IF statements to alter the way my program runs	<ul style="list-style-type: none">●

- | | |
|--|--|
| <ul style="list-style-type: none">• I know how to use logical thinking to identify and solve potential bugs during coding. | |
|--|--|