

**NORTH HEATH COMMUNITY PRIMARY SCHOOL**  
**Computing – Progression of individual skills**

<b>Code (coding/ algorithms/ programming)</b>	
<b>EYFS</b>	Complete a simple program on a computer.
<b>Year 1</b>	State what an algorithm is.
	Physically follow and give instructions to move around.
	Create a simple programme on the computer or using a floor robot to achieve an algorithm.
	Predict what will happen for a short sequence of instructions in a program.
	Use the word debug to correct any mistakes when programming e.g a floor robot.
<b>Year 2</b>	State what an algorithm is and give an example.
	Debug simple problems in my instructions and programming.
	Predict what will happen in a simple program e.g. Where the robot will go if I programme it to...?
<b>Year 3</b>	Plan and enter a sequence of instructions to achieve a specific outcome.
	Test and debug problems within my program.
	Use repeat to achieve solutions to tasks.
	Suggest improvements to the simple programs I write.
<b>Year 4</b>	Write a program which achieves a given goal.
	Debug specific problems within a program.
	Use repetition within a programme e.g loops/iteration to make my program more efficient.
	Control simple machines using programming techniques.
<b>Year 5</b>	Know what a variable is and use variables within programs.
	Use reasoning to work out if a program will work or not.
	Create programs which use selections e.g <i>if</i> and <i>else</i> in Scratch
<b>Year 6</b>	Use multiple variables within programs.
	Detect and correct errors in programs I write and in others.
	Create programs which use selections e.g <i>if</i> and <i>else</i>

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<b>Connect (internet safety)</b>	
<b>EYFS</b>	Use technology to interact with age- appropriate software.
	Say how to stay safe online.
	Follow the school rules on how to use technology.
	Recognise that a range of technology is used in home and school.
<b>Year 1</b>	State how to stay safe online.
	Explain how people might use information technology in school and outside of school.
<b>Year 2</b>	Follow the school rules on how to use a computer.
	Explain how to stay safe online.
	Explain what I should do if I see something online which upsets me.
<b>Year 3</b>	Follow the school rules on how to use a computer.
	Talk about what makes a secure password and why they are important.
	Explain how to stay safe online.
	Explain what to do if I see something online which upsets me.
<b>Year 4</b>	Choose and set a secure password when using a website.
	Evaluate digital media I use and tell you how reliable it is.
	Explain how to stay safe online.
	Explain what to do if I see something online which upsets me.
<b>Year 5</b>	Explain how computer networks work.
	Protect my password and other personal information
	Explain the different dangers on the internet and how to stay safe while online.
	Explain what to do if I see something online which upsets me and how to report it.
<b>Year 6</b>	Discuss the suitability and reliability of digital media
	Explain how computer networks work, including the internet.
	Explain how to stay safe online and identify the risks associated with the online world.
	Report an online incident if I am unhappy with something that has happened or I've seen.

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**Communicate (present information)**

<b>EYFS</b>	Select and use technology for a purpose.
<b>Year 1</b>	Use technology to present work.
<b>Year 2</b>	Use technology to change the way my work looks. E.g change the formatting.
<b>Year 3</b>	Use a variety of software and hardware to showcase work.
<b>Year 4</b>	Select and use a variety of different tools and software to present work in a suitable format.
<b>Year 5</b>	Combine a selection of digital tools to complete a given task.
	Explain how digital devices aid communication for different people.
	Send emails with attachments.
<b>Year 6</b>	Combine a selection of suitable digital tools to complete a given task.
	Explain how digital devices aid communication.

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**Collect (research/ reliability of the internet)**

<b>EYFS</b>	Contribute to internet research in a group and as a class.
<b>Year 1</b>	Save work.
	Open a saved document.
<b>Year 2</b>	Open and save work in a folder.
<b>Year 3</b>	Describe how a search engine works.
	Describe how to use a search engine.
<b>Year 4</b>	Use the internet responsibly to collect relevant information for a specified task.
<b>Year 5</b>	Explain how search engines rank their results and use this to search the internet more effectively.
	Analyse and evaluate a variety of websites and discuss how reliable they are.
<b>Year 6</b>	Analyse and evaluate a variety of programs and discuss their main purpose and audience.
	Analyse and evaluate a variety of websites and discuss how reliable they are.