# Primary Phase Long Term Plan Computing



### **Curriculum Overview**

At William Hulme's Grammar School, our Computing curriculum aims to equip our children with the knowledge and skills to be Master of Technology, fostering creativity and problem-solving skills that they can apply in real-life situations. In our ever-changing world, technology will play a pivotal role in our children's lives, and it is therefore crucial that children can use technology positively, responsibly and safely. Our broad curriculum is designed to support children in making informed and positive choices about the way they use technology by introducing them to the three key disciplines within Computing: Computer Science, Digital Literacy and Information Technology.

These disciplines are split into five vertical concepts that enable children to make connections between topics across different year groups. The way that concepts are revisited over time is designed to develop mastery, allowing children to recall and apply what they have learnt over time.

**Information Technology:** Creating Media, Data & Information **Computer Science:** Computing Systems & Networks, Programming

Digital Literacy: Risks, Benefits and Impact of Technology

We want our children to understand that they have choices when it comes to the way that they use technology that will allow them to participate safely both online and within their own community. We embed the value of respect by modelling safe and responsible use of digital technology across all wider curriculum subjects. Digital Literacy is further embedded within the Computing curriculum with regular discussion of e-safety. This is interwoven into every lesson as a starter activity so that children become aware of how this aspect of the curriculum applies every time we engage with technology. We also aim to provide a range of cross-curricular opportunities to apply knowledge, skills and understanding so that children can appreciate how their learning in Computing will transfer throughout other areas of their lives. While computational thinking is explicitly taught within the Computer Science aspect of the curriculum, the concepts of algorithms, pattern recognition, abstraction, logic and evaluation are clearly relevant to other subjects and teachers are encouraged to draw attention to this when appropriate.

Our Computing curriculum is based on the Teach Computing Scheme from the National Centre for Computing Education (NCCE) which aims to provide every child with a world-leading Computing education and covers the content stated in the National Curriculum (2014)

The way vertical concepts link into content taught is outlined below.

Vertical Concep	Vertical Concept Overview			
Vertical Concept	Key Questions/Definition	Units		
Creating Media (Information Technology)	Select and create a range of media including text, images, sounds, and video	Year 1 – Digital Painting, Digital Writing Year 2 – Digital Photography, Making Music Year 3 – Stop-frame Animation, Desktop Publishing Year 4 – Audio Editing, Photo Editing Year 5 – Video Editing Year 6 – Web Page Creation, 3D Modelling		
Data & Information (Information Technology)	Understand how data is stored, organised, and used to represent real-world artefacts and scenarios	Year 1 – Grouping Data Year 2 – Pictograms Year 3 – Branching Databases Year 4 – Data Logging Year 5 – Flat-file Databases, Vector Drawing Year 6 – Introduction to Spreadsheets		
Computing Systems and networks (Computer Science)	Understand what a computer is, and how its constituent parts function together as a whole. Understand how networks can be used to retrieve and share information, and how they come with associated risks	Year 1 – Technology around us Year 2 – Information Technology around us Year 3 – Connecting Computers Year 4 –The Internet Year 5 – Sharing information Year 6 – Web Page Creation		
Programming (Computer Science)	Create software to allow computers to solve problems	Year 1 – Moving a robot, Programming Animations Year 2 – Robot Algorithms, An Introduction to Quizzes Year 3 – Sequence in music, Events and Actions Year 4 – Repetition in shapes, Repetition in Games Year 5 – Selection in Physical Computing, Selection in Quizzes Year 6 – Variables in games, Sensing		
Digital Literacy	Risks, benefits and impact of technology	Interwoven through curriculum content, particularly e-safety starters.		

## **Early Years**

In EYFS, Computing is introduced informally by exposure to both digital and non-digital technology through play-based activities. This may be incorporated into formal teaching when appropriate. These opportunities can be linked to the vertical concepts as follows, though this list is not exhaustive:

Vertical Concept	Key Questions/Definition
Information Technology	<b>Creating Media</b> : Use of digital technology such as iPads or laptop to create pictures, take photographs or practise letter formation. Use of age-appropriate software such as Bug Club or digital painting apps to support their understanding of other areas of the curriculum
Computer Science	Programming: Play opportunities using Beebots, noticing cause and effect and the effect of giving sequences of instructions.  Computing Systems & Networks: Identify technology and engaging with through play.
Digital Literacy	Safety and Security: An introduction to e-safety through adult-initiated discussions about the importance of keeping passwords safe, what information to share with a strange (offline) and the importance of consent when taking photographs.  Impact of Technology: Play opportunities using both digital and non-digital technology that work in different ways and are used for different purposes such as phones, cameras, computers, egg-whisks, torches and construction kits. Discussion of the impact of technology such as buttons at pedestrian crossings.
Impact of Technology	Create software to allow computers to solve problems

This is based on the Birth to 5 Matters (Non-Statutory Guidance) Children require access to a range of technologies, both digital and non-digital in their early lives. Exploring with different technologies through play provides opportunities to develop skills that children will go on to develop in their lifetimes. Investigations, scientific inquiry and exploration are essential components of learning about and with technology both digitally and in the natural world. Through technology children have additional opportunities to learn across all areas in both formal and informal ways. Technologies should be seen as tools to learn both from and with, in order to integrate technology effectively within early years practice.

## **Key Stage One**

	Year 1	Year 2	Assessment
	Unit: Technology around us.	Unit: IT around us	Formative assessments during every lesson include:
	<b>Vertical Concept:</b> Computing Systems and networks (Computer Science)	Vertical Concept: Computing Systems and networks (Computer	Review, verbal feedback, a
	, , ,	Science)	range of questioning techniques and mini
ш 1	<b>Key Question:</b> What is technology?	K. C. artina Harrisa kalandar	whiteboard tasks.
Ter	Overview:	<b>Key Question:</b> How can technology help us?	Year 1: Teacher assessment of  the students' understanding of
Autumn Term 1	An introduction to what is	neip us:	the students' understanding of what IT is and examples they
nta (	'technology'	Overview:	can identify.
٩	Exploring how technology can be	Identify examples of IT, starting	• Year 2: Teacher assessment of
	used to help us	with in the home.	the different ways the
	<ul> <li>Development of foundational computing skills (typing and</li> </ul>	<ul> <li>Explore how IT is being used for good in our lives.</li> </ul>	students use IT over the course of the unit.
	mouse).	<ul> <li>Discuss the responsible use of</li> </ul>	course of the unit.
	ŕ	technology and how to make smart	
		choices when using it.	

	Year 1	Year 2	Assessment
ın Term 2	<b>Unit:</b> Digital painting	<b>Unit:</b> Digital photography	<ul> <li>Formative assessments during every lesson include:</li> </ul>
	Vertical Concept: Creating Media (Information Technology)	Vertical Concept: Creating Media (Information Technology)	<ul> <li>Review, verbal feedback, a range of questioning techniques and mini</li> </ul>
	<b>Key Question:</b> How can technology be used to create art?	<b>Key Question:</b> How can we use technology to take photographs?	whiteboard tasks.  • Year 1: Teacher assessment of the final digital painting
Autumn	<ul> <li>Overview:</li> <li>Study how art can also be made digitally.</li> <li>Development of skills to create a digital piece of art.</li> <li>Creation of a digital piece of art.</li> </ul>	Overview:  Recognise that different devices can be used to capture photographs.  Gain experience of capturing, editing and improving photos.  Recognise that images that they see are not always real.	<ul> <li>of the final digital painting pieces that the students produce.</li> <li>Year 2: Teacher assessment of the final edited photos the students produce.</li> </ul>

	Year 1	Year 2	Assessment
	Unit: Moving a robot	Unit: Robot algorithms	Formative assessments during every lesson include:
	Vertical Concept: Programming (Computer Science)	Vertical Concept: Programming (Computer Science)	<ul> <li>Review, verbal feedback, a range of questioning techniques and mini</li> </ul>
	<b>Key Question:</b> How can commands be	<b>Key Question:</b> How can algorithms be	whiteboard tasks.
.m 1	used to control robots?	used to give a set of instructions.	Year 1: Teacher assessment of the student's knowledge of
Ter	Overview:	Overview:	the floor bot commands.
Spring Term 1	<ul> <li>Explore giving individual commands to other learners and as a part of a computer program.</li> </ul>	<ul> <li>Develop the understanding of instructions in sequences and how to predict outcomes.</li> </ul>	Year 2: Teacher assessment of the final algorithms.
	<ul> <li>Identify what each floor robot command does and use this knowledge to make predictions.</li> </ul>	<ul> <li>Explore how different command sequences can result in different outcomes.</li> </ul>	
	<ul> <li>Begin to introduce elements of programming through the use of algorithms.</li> </ul>	Design and test algorithms.	
	Topic: Grouping data	Topic: Pictograms	• Formative assessments during every lesson include:
	Vertical Concept: Data & Information	Vertical Concept: Data & Information	Review, verbal feedback, a
	(Information Technology)	(Information Technology)	range of questioning techniques and mini
	Key Question: How can we collect	Key Question: How can we begin to	whiteboard tasks.
rm 2	and ask questions about data?	organise and present data?	Year 1: Teacher assessment of how students group and ask
<u>a</u>	Overview:	Overview:	questions based on the animal
Spring Term 2	<ul> <li>Introduce students to the idea of data and information.</li> <li>Students will demonstrate they can count object before and after they have been grouped.</li> <li>Use their ability to sort objects into different groups to answer questions about data.</li> </ul>	<ul> <li>Begin to understand what data means and how this can be collected in the form of a tally chart.</li> <li>Use the term 'attribute' to help them organise data.</li> <li>Present data in the form of pictograms and block diagrams.</li> </ul>	<ul> <li>and fruit pictograms.</li> <li>Year 2: Teacher assessment of the collection, presentation and conclusions drawn from student generated data collection questions.</li> </ul>

1	Year 1	Year 2	Assessment
Summer Term 1	<b>Unit:</b> Digital writing	Unit: Digital Music	<ul> <li>Formative assessments during every lesson include:</li> </ul>
	Vertical Concept: Creating Media (Information Technology)	Vertical Concept: Creating Media (Information Technology)	<ul> <li>Review, verbal feedback, a range of questioning techniques and mini</li> </ul>
	Key Question: How can using technology benefit with our writing?  Overview:	Key Question: How can technology be used to create music?  Overview:	<ul> <li>whiteboard tasks.</li> <li>Year 1: Teacher assessment of the sentences typed and editing.</li> </ul>
Sumi	<ul> <li>Develop students' understanding of how computers can be used to create and change text.</li> <li>Develop typing skills using a keyboard.</li> <li>Consider the similarities and differences between using a computer and writing on piece of paper to create text.</li> </ul>	<ul> <li>Explore how music can make them think and feel.</li> <li>Through the use of patterns, students will make music with both percussion instruments and digital tools.</li> <li>Create different rhythms and tunes to match to the movement of animals.</li> </ul>	<ul> <li>Year 2: Teacher assessment of the final pieces of music created based on the movement of animals.</li> </ul>
erm 2	Unit: Programming animations  Vertical Concept: Programming (Computer Science)	Unit: Programming quizzes  Vertical Concept: Programming (Computer Science)	<ul> <li>Formative assessments during every lesson include:</li> <li>Review, verbal feedback, a range of questioning</li> </ul>
	Key Question: How can we use coding to create an animation?	<b>Key Question:</b> How can we using coding to create a sequence of commands?	techniques and mini whiteboard tasks.  • Year 1: Teacher assessment of the final ScratchJR projects
Summer Term 2	<ul> <li>Overview:</li> <li>Introduce students to programming through ScratchJr.</li> <li>Explore how to create a 'project' using sprites and backgrounds.</li> <li>Use a range of programming blocks to modify and create programs.</li> </ul>	<ul> <li>Overview:</li> <li>Recap of learning from previous year on the use of ScratchJr</li> <li>Begin to understand that sequences of commands have an outcome and make predictions based off this.</li> <li>Use and modify design to create their own quiz questions</li> </ul>	<ul> <li>based on the creation of a rocket sprite and related code.</li> <li>Year 2: Teacher assessment of the final student created quizzes.</li> </ul>

# **Lower Key Stage Two**

	Year 3	Year 4	Assessment
Autumn Term 1	Unit: Connecting computers  Vertical Concept: Computing Systems and networks (Computer Science)  Key Question: What are inputs, outputs and processes?  Overview:  Develop an understanding of digital devices through inputs, processes and outputs.	<ul> <li>Unit: The Internet</li> <li>Vertical Concept: Computing Systems and networks (Computer Science)</li> <li>Key Question: What is the world wide web?</li> <li>Overview:</li> <li>Apply their knowledge of networks to understand how the internet is a network of networks.</li> </ul>	<ul> <li>Formative assessments during every lesson include:</li> <li>Review, verbal feedback, a range of questioning techniques and mini whiteboard tasks.</li> <li>Year 3: Teacher assessment of students' understanding of the key components in a computer network.</li> </ul>
	<ul> <li>Compare digital and non-digital devices.</li> </ul>	<ul> <li>Explore the 'World Wide Web' and learn about content ownerships.</li> </ul>	

	<ul> <li>Introduce students to computer networks and the key components that make them (routers and switches).</li> </ul>	Critically evaluate content found online to decide how honest, accurate or reliable it is.	Year 4: Teacher assessment of the students' ability to define what the 'world wide web' is.
	Unit: Stop-frame animation	Unit: Audio Production	Formative assessments during every lesson include:
	Vertical Concept: Creating Media	Vertical Concept: Creating Media	Review, verbal feedback, a
	(Information Technology)	(Information Technology)	range of questioning
	(information recimology)	(information recimology)	techniques and mini
	Koy Question: What is a step motion	Koy Question: How can we use	•
	<b>Key Question:</b> What is a stop motion	Key Question: How can we use	whiteboard tasks.
n 2	animation?	technology to audio produce?	Year 3: Teacher assessment of
u.a			the final stop-frame
Ĕ	Overview:	Overview:	animations
Autumn Term	<ul> <li>Plan and create a stop-frame</li> </ul>	<ul> <li>Identify the input and output</li> </ul>	<ul> <li>Year 4: Teacher assessment of</li> </ul>
皂	animation based on a short story.	devices required to work with	the final podcasts.
Ψ	<ul> <li>Further develop the animations by</li> </ul>	sounds digitally.	· ·
	adding other types of media such	Understand the ownership of	
	as music and text.	digital audio and the copyright	
		implications of duplicating the	
		work of others.	
		Plan, record and edit a short	
		podcast.	

l	Year 3	Year 4	Assessment
	Unit: Sequencing sounds	Unit: Repetition in shapes.	Formative assessments during every lesson include:
	Vertical Concept: Programming	Vertical Concept: Programming	Review, verbal feedback, a
н	(Computer Science)	(Computer Science)	range of questioning techniques and mini
	Key Question: How can we create our	Key Question: What are loops in	whiteboard tasks.
Spring Term	own programs?	coding and how can we use them?	Year 3: Teacher assessment of final scratch project with the
Sprir	Overview:	Overview:	meaningful use of sound,
	Transition students to using	Build on previous knowledge to	motion and event blocks.  • Year 4:Teacher assessment of
	Scratch.  Introduce a selection of motion,	explore the use of repetition and loops within programming.	final 'wrapping paper' project
	sound and event blocks that will be	Create programs by planning,	and use of repeating shapes.
	used to create their own programs and sequences.	modifying and testing commands to create shapes and patterns.	
	<b>Topic:</b> Branching databases.	Topic: Data logging.	Formative assessments during
			every lesson include:
	Vertical Concept: Data & Information (Information Technology)	Vertical Concept: Data & Information (Information Technology)	Review, verbal feedback, a range of questioning
	(information reciniology)		techniques and mini
2 ر	Key Question: How do digital and	<b>Key Question:</b> What are data loggers and why do we use them?	whiteboard tasks.
ring Term	physical databases differ?	and willy do we use them:	Year 3: Teacher assessment of the final, digital branching
ing	Overview:	Overview:	database questions.
	Students to develop their	Students to compare how humans	
	understanding of branching	and digital devices experiences environments.	
	databases by initially using yes/no questions to group objects.	<ul> <li>Collect and analyse data by looking</li> </ul>	
	<ul> <li>Create physical and digital versions</li> </ul>	at data points, data sets and	
	of branching databases.	logging intervals.	

		needed to answer them.	and analysis.
	Year 3	Year 4	Assessment
Summer Term 1	<ul> <li>Unit: Desktop publishing</li> <li>Vertical Concept: Creating Media (Information Technology)</li> <li>Key Question: How can we use technology to publish work?</li> <li>Overview: <ul> <li>Students become familiar with the terms 'text' and 'images' and understand how they can be used to communicate messages.</li> <li>Use desktop publishing software to consider the use of font size and colour when editing a pre-existing document.</li> <li>Start to create their own pieces of work by considering the layout and purpose of their work.</li> </ul> </li> </ul>	<ul> <li>Unit: Photo editing</li> <li>Vertical Concept: Creating Media (Information Technology)</li> <li>Key Question: How can we use technology to take and manipulate images?</li> <li>Overview: <ul> <li>Develop an understanding of how digital images can be changed and edited.</li> <li>Practice editing images and consider the impact and effectiveness of their choices.</li> </ul> </li> </ul>	<ul> <li>Formative assessments during every lesson include:</li> <li>Review, verbal feedback, a range of questioning techniques and mini whiteboard tasks.</li> <li>Year 3: Teacher assessment of final versions of the student magazines.</li> <li>Year 4:Teacher assessment of the students' collection of edited photos.</li> </ul>
Summer Term 2	<ul> <li>Unit: Events and actions in programs.</li> <li>Vertical Concept: Programming (Computer Science)</li> <li>Key Question: How can we use events and actions to develop our coding knowledge?</li> <li>Overview: <ul> <li>Explore the links between events and actions while consolidating prior learning on sequencing.</li> <li>Within Scratch, students will explore movement within a context of moving a sprite around a maze.</li> <li>Introduce programming extensions through the use of the 'pen' blocks.</li> </ul> </li> </ul>	<ul> <li>Unit: Repetition in games</li> <li>Vertical Concept: Programming (Computer Science)</li> <li>Key Question: How do game designers create engaging games?</li> <li>Overview: <ul> <li>Explores the concept of repetition in programming within Scratch.</li> <li>Study the difference between count-controlled and infinite loops.</li> <li>Design and create a game which uses repetition.</li> </ul> </li> </ul>	<ul> <li>Formative assessments during every lesson include:</li> <li>Review, verbal feedback, a range of questioning techniques and mini whiteboard tasks.</li> <li>Year 3: Teacher assessment of the final maze project with optional pen trail.</li> <li>Year 4: Teacher assessment of the final game with use of repetition blocks.</li> </ul>

Pose questions and then use the

data loggers to collect the data

needed to answer them.

• Year 4: Teacher assessment of

alongside the data capture

final questions posed

Create a final digital branching

database and test it.

## **Upper Key Stage Two**

	Year 5	Year 6	Assessment
	Topic: Systems and searching	Topic: Communication	<ul> <li>Formative assessments during every lesson</li> </ul>
	Vertical Concept: Computing Systems and networks (Computer Science)	Vertical Concept: Computing Systems and networks (Computer Science)	<ul><li>include:</li><li>Review, verbal feedback, a range of questioning</li></ul>
Term 1	<b>Key Question:</b> How is information transferred across a network?	<b>Key Question:</b> How do search engines function?	techniques and mini whiteboard tasks.
Autumn Term 1	Overview: Define what a 'computer system' is and how information is transferred between systems and devices Explain what an input and an output is Understand how search engines function and how search results are influenced.	Overview:  Understand how internet addresses function.  Explain how large chunks of data is split into 'packets'  Take part in a collaborative online project with other students in the class	<ul> <li>Year 5: Teacher assessment of the website design in relation to search ranking.</li> <li>Year 6: Teacher assessment of the final 'shared' presentation created with another student</li> </ul>
	<b>Topic:</b> Video production <b>Vertical Concept:</b> Creating Media (Information Technology)	<b>Topic:</b> Web page creation <b>Vertical Concept:</b> Creating Media (Information Technology)	<ul> <li>Formative assessments during every lesson include:</li> <li>Review, verbal feedback, a range of questioning</li> </ul>
Term 2	<b>Key Question:</b> How can we use technology to film, edit and publish a video?	<b>Key Question:</b> How are websites made?	techniques and mini whiteboard tasks.  • Year 5: Teacher assessment
Autumn Term	<ul> <li>Overview:</li> <li>Develop the skills of capturing, editing and manipulating video.</li> <li>Apply this to create a short film utilising the skills they have learnt.</li> </ul>	<ul> <li>Overview:</li> <li>Plan the features of a web page</li> <li>Consider the ownership and use of images (copyright)</li> <li>Recognise the need to preview pages</li> <li>Outline the need for a navigation path</li> </ul>	of the final video created. • Year 6: Teacher assessment of the final website created.

	Year 5	Year 6	Assessment
	<b>Topic:</b> Selection in physical computing	Topic: Variables in games	Formative assessments during every lesson
	Vertical Concept: Programming	Vertical Concept: Programming	include:
	(Computer Science)	(Computer Science)	<ul> <li>Review, verbal feedback, a range of questioning</li> </ul>
Ŧ	Key Question: What is physical	Key Question: How are variables used	techniques and mini
E	computing?	within games?	whiteboard tasks.
Spring Term			Year 5: Teacher assessment
ing.	Overview:	Overview:	of the final crumble
Spr	<ul> <li>Explore 'physical computing' through the programming of Crumble</li> </ul>	<ul> <li>Define a 'variable' as something that is changeable</li> </ul>	program that will control their fairground ride.
	controllers	Explain why a variable is used in a	-
	Learn how to connect and program	program	<ul> <li>Year 6: Teacher assessment of the variables used in the</li> </ul>
	the different components.	Choose how to improve a game by	final games.
	Understand how conditions can be	using variables	illai gailles.
	used to control the flow of actions.	<ul> <li>Design a project that builds on given</li> </ul>	
		examples	

Spring Term 2

**Topic:** Flat file databases.

**Vertical Concept:** Data & Information (Information Technology)

**Key Question:** How do digital and paper based databases differ?

#### Overview:

- Use a form to record information
- Compare paper and computer-based databases
- Outline how grouping and then sorting data allows us to answer questions

**Topic:** Introduction to spreadsheets

**Vertical Concept:** Data & Information (Information Technology)

**Key Question:** How do spreadsheets allow use to organise and interpret data?

#### Overview:

- Identify questions which can be answered using data
- Explain that objects can be described using data
- Explain that formula can be used to produce calculated data
- Apply formulas to data, including duplicating

- Formative assessments during every lesson include:
- Review, verbal feedback, a range of questioning techniques and mini whiteboard tasks.
- Year 5: Teacher assessment of the final 'Travel Agent' databases.
- Year 6: Teacher assessment of the final 'party planner' spreadsheet and formulas.

	Year 5	Year 6	Assessment
Summer Term 1	Topic: Vector drawing	Topic: 3D Modelling	Formative assessments during every lesson
	Vertical Concept: Creating Media (Information Technology)	Vertical Concept: Creating Media (Information Technology)	<ul><li>include:</li><li>Review, verbal feedback, a range of questioning</li></ul>
	<b>Key Question:</b> How can we use technology to create digital drawings?	<b>Key Question:</b> How are 3D models constructed used technology?	techniques and mini whiteboard tasks.  • Year 5: Teacher assessment
	Overview:  Identify that drawing tools can be used to produce different outcomes  Create a vector drawing by combining shapes  Recognise that vector drawings consist of layers	<ul> <li>Overview:</li> <li>Use a computer to create and manipulate three-dimensional (3D) digital objects</li> <li>Compare working digitally with 2D and 3D graphics</li> <li>Construct a digital 3D model of a physical object</li> <li>Identify that physical objects can be broken down into a collection of 3D shapes</li> </ul>	of the final vector drawing artwork.  • Year 6: Teacher assessment of the final 3D models.
Summer Term 2	<b>Topic:</b> Events and actions in programs.	Topic: Sensing	Formative assessments during every lesson
	Vertical Concept: Programming (Computer Science)	Vertical Concept: Programming (Computer Science)	<ul><li>include:</li><li>Review, verbal feedback, a range of questioning</li></ul>
	<b>Key Question:</b> How can we use conditional statements to create programs?	<b>Key Question:</b> How can we use additional hardware to develop our coding?	techniques and mini whiteboard tasks.  • Year 5: Teacher assessment of the final scratch
	<ul> <li>Overview:</li> <li>Explain how selection is used in computer programs</li> <li>Relate that a conditional statement connects a condition to an outcome</li> </ul>	<ul> <li>Overview:</li> <li>Create a program to run on a controllable device</li> <li>Explain that selection can control the flow of a program</li> </ul>	<ul> <li>Year 6: Teacher assessment of the final micro:bit step counter.</li> </ul>

• Update a variable with a user input

•	Explain how selection directs t		
	flow of a program		

• Design a program which uses selection

• Use a conditional statement to compare a variable to a value

Useful Resources for Supporting Your Child at Home:	Homework ideas:
Year 1-3: Scratch JR	Use the built in tutorials on Scratch and Scratch JR to
Coding based on using a block system. This is the same	improve your coding skills.
coding website used in school.	
<u>ScratchJr - Home</u>	Year 5 and 6 students can use their Chromebooks to
Year 4-6: Scratch	complete independent research and create documents and
Coding based on using a block system that builds upon	presentations.
Scratch JR. This is the same coding website used in school.	
Scratch - Imagine, Program, Share (mit.edu)	Create a set of e-safety rules for using devices at home.
STEM:	
For a selection of age-appropriate Science Technology	
Engineering and Maths activities.	
https://www.stem.org.uk/	