Featherstone Wood Primary School

Year 4 Autumn term — Computing 4:1Coding

In this unit we are exploring If/Else, repeat until commands and timers.

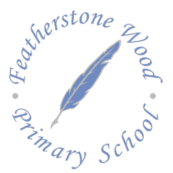| Our Key Learning Objectives			
I can use selection in coding with the 'if/else' command			
I can understand and use variables in 2Code			
I can use flowcharts for design of algorithms including selection			
I can use the 'repeat until' with variables to determine repeat			
I know about the use of computational thinking terms; decomposition and abstrcation			

Tick the **green** box if you fully understand and can explain your knowledge to someone else. Tick the **orange** box if you understand a bit but would need some help to explain it to someone else. Tick the **red** box if you are still learning to understand.

Key Words

Action	Bug	Design mode	Alert
Code design	Event	Command	Get input

Write down any questions you would like to explore further.

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Our School's Skills - Working Collaboratively, Independence, Community Values, Reflectiveness, Stickability, Risk-Taking, Inquisitiveness, Communication

Beacon 2

- List ways the internet can be used to provide different methods of communication

- Demonstrate the importance of having a secure password

- Know more than one way to report unacceptable content and contact

- Recognise the main components and parts of hardware which allow computers to join and forma network

- Help others to understand the importance of online safety.

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Year 4 Autumn term — Computing 4:2 Online Safety

In this unit we are exploring plagiarism, digital footprint and identity theft

Our Key Learning Objectives				Tick the **green** box if you fully understand and can explain your knowledge to someone else. Tick the **orange** box if you understand a bit but would need some help to explain it to someone else. Tick the **red** box if you are still learning to understand.
I understand how children can protect themselves from online identity theft				
I understand that information online leaves a digital footprint and trail				
I can identify the risks and benefits of installing software including apps				
I understand that copying the work of others and presenting it as my own is plagiarism				
I can identify appropriate behaviour when participating or contributing to collaborative online projects for learning				
I can identify the positive and negative influences of technology on health and the environment				
I understand the importance of balancing game and screen time with other parts of my life				

Key Words

Computer virus	Digital footprint	Phishing	Cookies
Copyright	Malware	Spam	Identity theft

Write down any questions you would like to explore further.

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Year 4 Spring term — Computing 4:5 Logo

In this unit we are exploring basic functions to build procedures in logo

Our Key Learning Objectives	🟥	🟧	🟩
I know the structure of the coding language of Logo			
I can input simple instructions in Logo			
I can use Logo to create letter shapes			
I can use the Repeat function in Logo to create shapes			
I can use and build procedures in Logo			

Tick the **green** box if you fully understand and can explain your knowledge to someone else. Tick the **orange** box if you understand a bit but would need some help to explain it to someone else. Tick the **red** box if you are still learning to understand.

Key Words

PD	RT	SETPC	BK
LT	SETPS	FD	PU

Write down any questions you would like to explore further.

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Year 4 Spring term — Computing 4:6 Animation
In this unit we are adding existing animations and creating own stop motion animation.

Our Key Learning Objectives			
I can discuss what makes a good animated film or cartoom			
I know how animations are created by hand			
I can find out how 2Animate can be created in a similar way using the computer			
I know about onion skinning in animation			
I can add backgrounds and sounds to animations			
I know about 'stop motion' animation			
I can share animation on the class display board and a blog			

Tick the **green** box if you fully understand and can explain your knowledge to someone else. Tick the **orange** box if you understand a bit but would need some help to explain it to someone else. Tick the **red** box if you are still learning to understand.

Key Words

Animation	Onion skinning	Sound	Flipbook
Background	**Stop motion**	**Frame**	**Video clip**

Write down any questions you would like to explore further.

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Year 4 Spring term — Computing 4:7 Effective Search

In this unit we are searching to find specific information.

Our Key Learning Objectives	🟥	🟧	🟩
I can locate information on the search results page			
I can use search effectively to find out information			
I can assess whether an information source is true and reliable			

Tick the **green** box if you fully understand and can explain your knowledge to someone else. Tick the **orange** box if you understand a bit but would need some help to explain it to someone else. Tick the **red** box if you are still learning to understand.

Key Words

Easter Egg	Internet	Internet Browser	Search
Search Engine	**Spoof Website**	**Website**	

Write down any questions you would like to explore further.

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Year 4 Summer term — Computing 4:8 Hardware Investigators

In this unit we are understanding and naming parts of computers

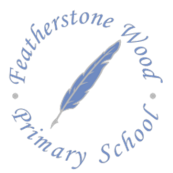| Our Key Learning Objectives	🟥	🟧	🟩
I understand the different parts that make a computer			
I can name the different parts that make a computer			

Tick the **green** box if you fully understand and can explain your knowledge to someone else. Tick the **orange** box if you under-stand a bit but would need some help to explain it to someone else. Tick the **red** box if you are still learning to understand.

Key Words

Motherboard	CPU	RAM	Graphicds Board
Network Card	Monitor	Speakers	Keyboard and Mouse

Write down any questions you would like to explore further.

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Year 4 Summer - Computing 4:4 Writing for different audiences

In this unit we are exploring how we can change the appearance of texts for appropriate impact

Our Key Learning Objectives	🟥	🟧	🟩
I can change font type and size.			
I can edit text to match the purpose of the text			
I can use formatting and language appropriate to a newspaper report			
I can use 2Connect to create a map of my ideas			
I can use 2Publish to create a persuasive text.			
I can review my work using against a Success Criteria			

Tick the **green** box if you fully understand and can explain your knowledge to someone else. Tick the **orange** box if you under-stand a bit but would need some help to explain it to someone else. Tick the **red** box if you are still learning to understand.

Key Words

Font	Bold	Underline	Italics
ABC ABC ABC	**bold**	<u>AaBb</u>	_AaBbCc_

Write down any questions you would like to explore further.

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Year 4 Summer term — Computing 4:3 Spreadhseets

In this unit we are exploring formula wizard, graphs and budgeting

Our Key Learning Objectives	Red	Orange	Green
I can format cells as currency, percentage, decimal to different decimal places or fraction			
I can use the formula wizrd to calculate averages			
I can combine tools to make spreadsheet activities such as timed times table tests			
I can use a spreadsheet to model a real life situation			
I can add a formula to a cell to automatically make a calculation in that cell			

Tick the **green** box if you fully understand and can explain your knowledge to someone else. Tick the **orange** box if you understand a bit but would need some help to explain it to someone else. Tick the **red** box if you are still learning to understand.

Key Words

Average	Columns	Equals Tool	Advance Mode
Cells	Formula	Copy and paste	Charts

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