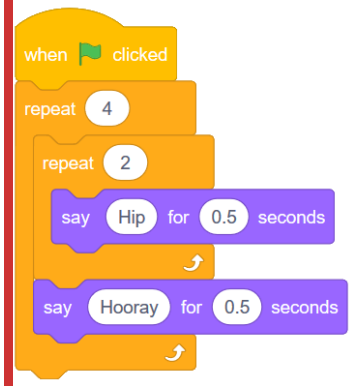
Strand-on-the-Green Junior School Computing Curriculum Year 3

E Safety	Digital Literacy	Coding
Private v Public Private information Levels of privacy. Safe passwords. Positive online presence **Finding things online** Safe searching Online shopping: what's safe? **My Online World** Online v offline communication. Safe contacts Positive online presence .	**Network Basics** Logging on Open, save and retrieve files. Organise files. **Create and Present using ....** **Google Draw** Inserting text boxes. Formatting and editing text boxes and shapes. Select and insert images. Crop and rotate images. Inserting word art. **Using Google Docs** Change font, (size/colour) Edit documents (on and offline). Find shared documents (on and offline.) **iPad** Open applications Choose layout. Insert and format images. Insert and format text. Insert a sound recording	**Algorithms** Select and edit sprites. Selection backgrounds **Sequence** instructions Add functionality (move, action, etc) **Selection/ Repetition** Repeat loop Forever loops Nesting loops **Debug and improve**

STRAND ON THE GREEN JUNIOR SCHOOL



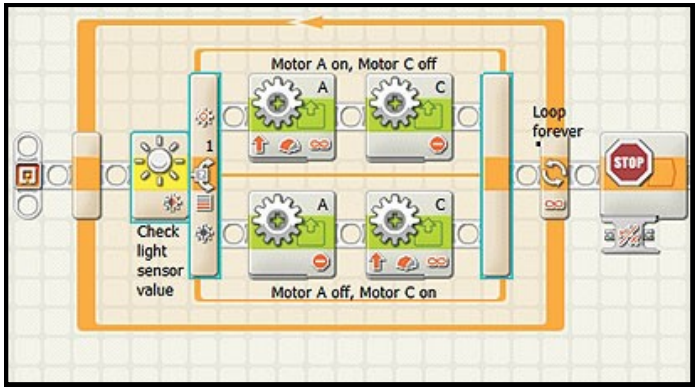
Strand-on-the-Green Junior School Computing Curriculum Year 4

E Safety	Digital Literacy	Coding
Fake v True Honest or accurate? Legal or illegal? True or False? Credible or not?	**Understanding Networks** Connecting networks Internet = network of networks Protection of networks Website access v safety	**Algorithms** Select and edit sprites. Backgrounds Sequencing
My Online World Phishing Identity theft Is it mine to share? Reporting	**Presenting using ....** **Google Slides** Animating objects Hyperlinking objects	**Conditional selection** Input selection Variable selection Sensing inputs
	Creating using ..... Photo editing tools Cropping, filters, effects Style Retouching—real or fake?	**Repetition** Repeat loop Forever loops Nesting loops
	Collect, sort, present using .... Branching Databases	**Operators** Numerical operators
		Variables Timers
		Debug and improve Again ....

Strand-on-the-Green Junior School Computing Curriculum Year 5

E Safety	Digital Literacy	Coding
Safe or not? Explore online purchasing. Real v online currency. Consequence of in -app purchases. **My Online World** Talking safely online. Private v public information Unwittingly sharing information - the impact of the chain .	**Presenting using ....** Google Slides **Creating using .....** **Video editing** Research genre— good? Composition - using the view. Storyboarding Editing - cut /join sections Apply effects Save and export a video. **Vector drawings** Image = separate objects. Layer, group and modify Scale without losing quality **Collect, sort, present using ....** **Flat file databases** View data Navigation Design structure Organise data Choose attributes. Refining selection using 'and' and 'or'	**Algorithms** NXT code blocks Combining programming constructs **Conditional selection** Input selection Variable selection Sensing inputs If Then statements **Repetition** Conditional loop Repeat loop Forever loops Nesting loops **Operators** Relational operators (<, 3,4) **Variables** Timers **Debug and improve** Again ....

Code	Owner	Zone
01	Bob	Residential
02	Jane	C
02	Smith	C
03	Mary	Reside



Strand-on-the-Green Junior School Computing Curriculum Year 6

E Safety	Digital Literacy	Coding
Safe or not? Explore online purchasing. Real v online currency. Consequence of in-app purchases. **My Online World** Digital footprints. More content = bigger footprint. Reasons to share. Repercussions of sharing. Importance of permission and consent. .	**Presenting using ....** **Webpages** written in HTML. Common features Copy write and 'fair use' Preview and evaluate Understand and explain a navigation path. Create multiple web pages linked by hyperlinks. Content ownership Evaluate user experience. **Creating using .....** Digital art package 3D Graphics package **Collect, sort, present using ....** **Spreadsheets** Identify questions Organise data in headings. Format cells Construct formulas using a range of cells Produce a graph of findings Choice—Table or graph?	**Physical Coding with Microcontrollers ...** **Algorithms** Using variables **Conditional selection** Input selection Variable selection Sensing inputs If Then statements **Repetition** Conditional loop Repeat loop Forever loops Nesting loops **Variables** Variable—names, values, placeholder. Changing values **Debug and improve** Again ....

STRAND ON THE GREEN JUNIOR SCHOOL

The Good Life

Circulatory system

Healthy lifestyles, including drug use, diet and exercise

Health and hygiene, including micro-organisms