UNIVERSITY OF CAMBRIDGE PRIMARY SCHOOL

Going Green

Year 1 | Summer 1

CURRICULUM SPOTLIGHT: DT | COMPUTING

ENQUIRY

How can a sustainable choice make a difference? Can coding create art?

OUTCOMES

Fashion show to showcase recycled bags, Coding Art Exhibition

VOCABULARY

DT: **Disciplinary:** Design, ideas, choose, drawing, make, materials, tools, evaluate, improve

Substantive: Pattern, join, mark out, decorate, running stitch, needle, fabric, recycled, reclaimed, sustainable

Computing: coding, root, instructions, route, debugging, navigate, functions, blocks, outcome, program

ENGLISH KEY TEXTS

- Found You by Devon Holzwarth
- The Secret Sky Garden by Linda Sarah and Fiona Lumber
- How Airports Work by Tom Cornell & Clive Gifford

RESOURCES

Coding kit, old t-shirts, cotton, sequins or beads, fabric paint/pens, needles, thread, staplers, staples, glue

English	Mathematics	Physical Education	DT
Grammar: - Use verb suffixes where root word is unchanged (-ing, -ed, -er) - Experiment with different ways of joining clauses **Text types:** - Short narrative - Instructions - Poetry	**Multiplication and Division** grouping and sharing counting in 2s, 5s and 10s **Place value up to 100** counting in 10s partitioning numbers 1 more 1 less **Mass and volume** measure mass compare volumes	**Unit 5 Physical** Coordination: Sending and Receiving Agility: Reaction / Response	**Designing** Design purposeful, functional, appealing products for themselves and other users based on design criteria-refining design as work progresses. Generate, develop, model and communicate their ideas through templates, mock-ups and, where appropriate, information and communication technology **Making** Select from and use a wide range of materials and components, including construction materials and ingredients and textiles, according to their characteristics. **Evaluating and improving** Evaluate; explore and evaluate a range of existing products Evaluate their ideas and products against design criteria **Textiles** Shape textiles using templates Join textiles using running stitch. Colour and decorate textiles using a number of techniques (such as dyeing, adding sequins or printing)

Phonics	PSHCE	Science
Extended Code Unit 16 /s/ss/c Unit 18 /l/ Consolidation and assessment	**Personal Safety**	**Everyday Materials** - Distinguish between an object and the material from which it is made. - Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. - Describe the simple physical properties of a variety of everyday materials. - Compare and group together a variety of everyday materials on the basis of their simple physical properties.

Religious Education	Computing
• Considering the distinctiveness of each day of the week • Understanding the importance of Shabbat to Jews • Comparing Shabbat at home v synagogue • Evaluating the importance of Shabbat for Jewish people • Share class meal together	• Create simple algorithms to solve a problem using Irobot • Begin to use logical debugging skills when using the iRobot and explain these verbally • Use coding to achieve a specific goal • Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions • Create and debug simple programs • Use logical reasoning to predict the behaviour of simple programs