Can you make a cat play basketball?

St. Peter's CE Primary Academy

Programming

Year 2

Ke

- Use message command to make sprites start their code at different times
- Use the repeat and repeat forever commands to repeat certain codes in order to achieve a certain goal
- Make sprites hide and show at certain points
- Use a range of functions on Hopscotch
- Cre

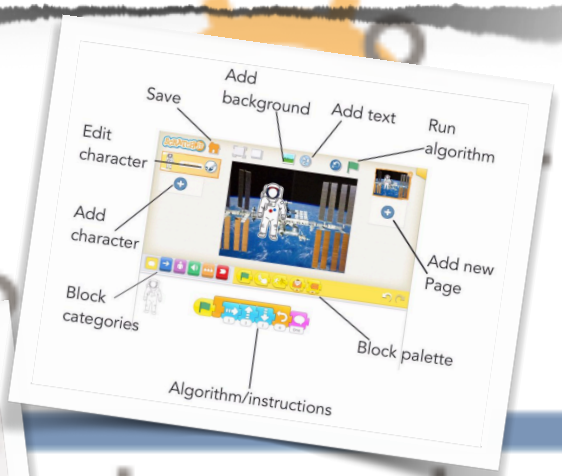
Other coverage

Digital Citizenship

- Online relationships
- Online reputation

Systems and networks

- Online safety





Key vocabulary

algorithm	A set of instructions made up of commands for a computer or robot to follow to complete a task
bug	An error or fault in a programmer that prevents it from running as expected
code	The language that we can use to tell a computer what to do
coding	Creating, designing and building a computer program to accomplish a goal
command	An instruction for the computer
debugging	Finding and fixing problems in a computer program or algorithm
message	A way to make one sprite move after another has finished a set of commands
repeat forever	To keep doing a set of commands until the code is stopped
Sprite	A character in Scratch that you can program

Programming – Our Learning Journey

Year 1

- Use simple commands to move and change direction
- Edit characters and backgrounds

Year 2

- Use repeat and forever loops
- Put a range of codes together to make a sequence
- Debug simple programmes

Year 3

- Use commands, for loops and conditionals
- Use different controls and conditionals including when and if
- Use sensors and code them to work in different ways

Year 4

- Create and edit functions
- Include functions in a game on Scratch
- Use logic for conditional commands, including 'else' command

Year 5

- Use comparison and logical operators in a range of programmes
- Create different variables for speed and proximity sensors in robots
- Code sensors for different purposes

Year 6

- Use variables to keep score in a created game
- Create a game using a range of functions, loops, operators and variables
- Begin to use Python to code Micro:Bits