

COMPUTING CYCLE A

	AUTUMN		SPRING		SUMMER	
YEAR 1&2	GROUPING DATA (Y1) DATA AND INFORMATION BIG QUESTION: Can I sort objects into different groups to answer a question about data?	PICTOGRAMS (Y2) DATA AND INFORMATION BIG QUESTION: Can I use the data presented to answer questions?	MOVING ROBOTS (Y1) PROGRAMMING BIG QUESTION: Can I use commands to move a robot?	INTRODUCTION TO ANIMATION (Y1) PROGRAMMING BIG QUESTION: Can I use Scratch Jr?	ROBOT ALGORITHMS (Y2) PROGRAMMING BIG QUESTION: Does the order of commands affect the outcome?	INTRODUCTION TO QUIZZES (Y2) PROGRAMMING BIG QUESTION: Do sequences of commands have an outcome?
YEAR 3&4	BRANCHING (Y3) DATABASES DATA AND INFORMATION BIG QUESTION: Can I create a branching data base?	DATA LOGGING (Y4) DATA AND INFORMATION BIG QUESTION: Can I review and analyse data?	SEQUENCE IN MUSIC (Y3) PROGRAMMING BIG QUESTION: Can I use a sequence to create a program?	EVENTS AND ACTIONS (Y3) PROGRAMMING BIG QUESTION: Can I use program extensions?	REPETITION IN SHAPES (Y4) PROGRAMMING BIG QUESTION: Can I create a program by planning, modifying and testing?	REPETITION IN GAMES (Y4) PROGRAMMING BIG QUESTION: Can I design and create a program that uses repetition?
YEAR 5&6	FLAT FILE DATABASES (Y5) DATA AND INFORMATION BIG QUESTION: Can I use tools within a data base to answer questions about data?	SPREADSHEETS (Y6) DATA AND INFORMATION BIG QUESTION: Can I create and use a spreadsheet?	SELECTION IN PHYSICAL COMPUTING (Y5) PROGRAMMING BIG QUESTION: Can I use my programming knowledge to connect and program components?	SELECTION IN QUIZZES (Y5) PROGRAMMING BIG QUESTION: Can I design a quiz in response to a given task and implement it as a program?	VARIABLES IN GAMES (Y6) PROGRAMMING BIG QUESTION: Do I know what a variable is?	SENSING (Y6) PROGRAMMING BIG QUESTION: What is sensing?