

Department:	Computing
Scheme of Learning Number:	2
Scheme of Learning Title:	Databases and Programming
Key Learning:	<p>Students will learn the differences between data and information. They will learn the different data types, how to organise data and why we use databases. Students will create databases and relationships between them.</p> <p>Students will learn basic skills to program using a text-based language. They will learn how to complete a range of tasks that will give the students the opportunity to see how a programming language works, and can be used across a range of areas.</p>
Assessment:	Students will be given a formal online assessment at the end of the rotation which will include multiple choice questions, scenarios and comparisons at the end of the scheme of learning. Students will be assessed throughout the project, through marking, peer assessment and self-assessment.
Key Words:	<p>Database - an organised collection of data</p> <p>Data types – a classification of data which tells the compiler or interpreter how the programmer intends to use the data</p> <p>Relational – concerning the way in which two or more things are connected</p> <p>Instructions – detailed information about how something should be done or operated</p> <p>Programming - the process of writing computer programs</p>
Useful Websites:	http://www.bbc.co.uk/education/subjects/zvc9q6f
Ways to Support Your Child at Home:	Ask your child to give you instructions for a basic task such as making toast. They must be precise and you must follow what they say exactly even if they miss out details. It will enable them to see how important small details are.