



SUBJECT	Computer Science		YEAR	13
<p>Why do we study Computing?</p> <p>Students studying computer Science at Rushcliffe will develop the knowledge and skills to allow them to work and think like a computer scientist.</p>				
What you will learn this year	What you have learned before	Where you can read more		
Computational Thinking				
Consolidation of the key terms of computational thinking Advanced use of flowcharts, pseudo code and Python to solve problems	Application of the key terms of computational thinking Use of flowcharts, pseudo code and Python to solve problems Basic Searching and Sorting algorithms			
Problem Solving				
Consolidation of sequencing, selection and iteration to solve problems Introduction to Object Oriented Programming Advanced use of HTML, CSS and JavaScript Advanced knowledge of searching and sorting algorithms	Application of the key terms of computational thinking Use of flowcharts, pseudo code and Python to solve problems Basic Searching and Sorting algorithms Advanced knowledge of sequencing, selection and iteration to solve problems Advanced knowledge of computational thinking Basic understanding of number operators Advanced HTML tags			
Programming Project - NEA				
Application of the key terms of computational thinking Application of flowcharts, pseudo code and python to solve a problem Application of sequencing, selection and iteration Application of HTML, CSS and JavaScript to solve a problem	Application of the key terms of computational thinking Use of flowcharts, pseudo code and Python to solve problems Basic Searching and Sorting algorithms Advanced knowledge of sequencing, selection and iteration to solve problems Advanced knowledge of computational thinking Basic understanding of number operators Advanced HTML tags			