

## The Priory Belvoir Academy: Curriculum Overview

<b>SUBJECT</b>	Computer Science	<b>CURRICULUM LEADER</b>	Mr Wooster	<b>YEAR</b>	Y7
<b>ORGANISATION OF THE SUBJECT</b>	1 hour per week				
<b>Key Concepts (The big ideas underpinning this subject)</b>			<b>Key Skills in this subject</b>		
<ul style="list-style-type: none"> <li>• How to use a computer competently and safely</li> <li>• Using a computer for school work</li> <li>• How the internet and WWW are organised</li> <li>• Basic programming concepts</li> <li>• Basic file construction and editing</li> </ul>			<ul style="list-style-type: none"> <li>• Developing mouse and keyboard skills</li> <li>• Composing respectful communication</li> <li>• Using programming concepts efficiently</li> <li>• Researching and defining keywords and subject based terminology</li> </ul>		
<b>What will be learnt in this subject?</b>			<b>How will learning take place in this subject?</b>		
<ul style="list-style-type: none"> <li>• Collaborating online respectfully</li> <li>• Modelling data – Spreadsheets</li> <li>• Computer Networks</li> <li>• Programming essentials in Scratch – part I</li> <li>• Programming essentials in Scratch – part II</li> <li>• Using media</li> </ul>			<ul style="list-style-type: none"> <li>• Paired and independent skills development</li> <li>• Practice through modelling</li> <li>• Independent research using the internet</li> <li>• Paired and group discussions</li> </ul>		
<b>What methods of assessment will be used?</b>			<b>How can you support learning and progress in this subject?</b>		
<ul style="list-style-type: none"> <li>• Regular teacher assessments through the year</li> <li>• Short end of module tests</li> <li>• Peer and self assessment</li> <li>• Knowledge recall activities</li> </ul>			<ul style="list-style-type: none"> <li>• Encourage pupils to undertake independent reading, research and work.</li> <li>• Support their development using STEM apps such as Scratch, code.org and micro:bits</li> </ul>		
<b>Equipment needed for this subject.</b>			<b>Learning outside the classroom: enrichment opportunities in this subject.</b>		
Pupil essentials: Pen, pencil, ruler, rubber, sharpener. Classroom equipment: Scissors, glue, coloured pencils, highlighter pens.			"Making" and research-based homework projects.		