CURRICULUM MAP YEAR 9 IT & COMPUTING

ST JAMES' CATHOLIC HIGH SCHOOL

							EOR Assessment Point
						Rotation Weeks **9 and 10** **19** **28 and 29** **38 and 39**	***Practical Assessment*** ***Assessment of practical coding skills (verbal feedback on completed tasks)*** **Key Concepts** **Understanding algorithms** **Programming techniques of logical thinking and writing code**
				Assessment Point: **Summative or AFL**	**Rotation Weeks:** **7 and 8** **17 and 18** **26 and 27** **36 and 37**	**Overarching unit intent:** **Unit 4 Programming with Python** *Programming techniques including integers, strings and IF statements* **Cultural Capital** **Writing clear instructions using algorithms and breaking down problems in order to produce a solution.**	
			Rotation Weeks: **5 and 6** **15 and 16** **24 and 25** **34 and 35**	***Written Assessment*** ***Unit 2 test on knowledge and understanding of key concepts*** **Key Concepts** **Understanding algorithms** **Programming techniques of logical thinking and writing code**	**Overarching unit intent:** **Unit 3 Programming with Scratch** *Building on work from Year 7 by creating sprites, backgrounds, variables and questions* **Cultural Capital** **Logical thinking and ordering instructions correctly. Reviewing and refining instructions.**		
	Rotation Weeks: **3 and 4** **13 and 14** **22 and 23** **32 and 33**	**Assessment Point:** **Summative or AFL**	**Overarching unit intent:** **Unit 2 Computational Thinking** *Flowcharts, algorithms and pseudocode* **Cultural Capital** **Writing clear instructions for a given task and breaking problems down into manangble and logical steps.**				
Rotation Weeks: **1 and 2** **11 and 12** **20 and 21** **30 and 31**	**Overarching unit intent:** **Unit 2 Computational Thinking** *Breaking down problems, patterns and recognition and using abstraction* **Cultural Capital** **Writing clear instructions for a given task and breaking problems down into manangble and logical steps.**	***Literacy Assessment*** ***Keywords and definitions test focusing on frequently used words and terms*** **Key Concepts** **Understanding algorithms** **Programming techniques of logical thinking and writing code**					
Overarching unit intent: **Unit 1 Binary** *Converting binary, denary and hexadecimal numbers* **Cultural Capital** **Numeracy skills and an understanding of how instructions are stored and executed within a computer system**							

With God all things are possible Matthew 19:26