

(A)UTHENTIC

(S)ACRED

(P)ASSIONATE

(I)SPIRATIONAL

(R)ESILIENT

(E)MPATHETIC

**Y9 Computer Science (STEM SUBJECT) – Curriculum Map**

<u>Advent 1</u> Networks	<u>Advent 2</u> Databases	<u>Review of Learning</u> Formative Assessment Do It Now Summative DIRT Activity	<u>Lent 1</u> Back to the Future Computer Scientists	<u>Lent 2</u> Python Next steps	<u>Review of Learning</u> Formative Assessment Do It Now Summative DIRT Activity	<u>Pentecost 1</u> Ethics: computer and electronic waste	<u>Pentecost 2</u> Animation	<u>Review of Learning</u> Formative Assessment Do It Now Summative DIRT Activity			
The Internet	Data entry	<u>Disciplinary knowledge</u> Computer Science Information Technology Creating Performing  <u>CST</u> Common Good Human Dignity Participation Common Good  <u>Careers</u> Morrisby Careers Lessons  <b>Reading 3-2-1</b>	Alan Turing	The Basics	<u>Disciplinary knowledge</u> Enquiry Computer Science Creating Performing  <u>CST</u> Common Good Human Dignity Participation Common Good  <u>British Values</u> Respect and Tolerance Individual Liberty  <u>Careers</u> Morrisby Careers Lessons  <b>Reading 3-2-1</b>	Ethical and Cultural Issues	Creating a Pivot Animation of an Olympic Event	<u>Disciplinary knowledge</u> Enquiry Information Technology Creating Performing  <u>CST</u> Option for the poor Common good Solidarity Stewardship Participation  <b>Reading 3-2-1</b>			
Connectivity	Creating a table		Charles Babbage	Loops		Introducing Functions			Environment Issues		
Topologies	Queries		George Boole	Lists							
Client Server Networks	Input forms		Sir Timothy Berners-Lee	Functions Returning Values						Legislation and Privacy	
Encryption	Reports		Ada Lovelace	Assessment Portfolio							Case study: Agbogbloshie Ghana
Socrative Assessment	2 <sup>nd</sup> Hand Cars Assessment		Socrative Assessment								

*Currently, year 9 classes are taught in Math's sets groups and consist of 1 lesson per week during the academic year.*