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Year	/	Com	puting

Curriculum intent

We believe that students deserve a Computing and ICT curriculum which prepares them for the digital and fast paced world they live in. Covering the three strands of the computing national curriculum, Computer Science, ICT and Digital Literacy, our aim is to give our students the skills and abilities to engage positively with the digital world and take advantage of all the opportunities that come their way both in the UK and in the wider world.

Our computing key stage 3 curriculum enables students to use computational thinking and creativity to solve real world problems by developing a wide range of skills in both programming and ICT, using multiple packages selected to spark and foster interest and creativity. Students will learn resilience and that making mistakes is part of learning, giving them the confidence to tackle a variety of independent learning activities.

Students will be taught to navigate this new digital world safely and be aware of the dangers that they now face.

Students will also begin studying for their IDEA Programme Bronze badge which will help develop their digital, employability and entrepreneurial skills.

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
How to access network in school at home and semails The impact of media on social what is your diffeotprint Importance of your data safe	E-Safety	E-Safety	Basic S	preadsheets	Introduction to Scratch		
	How to access the network in school and at home and send emails	What is fake news and the dangers of fake news Dangers of Cyber Bullying	How to format, comp and filter data using o	elete calculations and sort a spreadsheet	Students will begin using code to make their sprite move in various directions. They will learn what a variable is, what selection is and what integration is.		
	The impact of social media on society What is your digital footprint	The internet and the WWW Binary Introduction to Binary	To establish the idea	ms and Flowol of computational thinking concept of algorithms.			
	Importance of keeping your data safe Other threats to your computer	Converting numbers to denary and vice versa					
Skills	Log onto the network Sending and receiving emails Word PowerPoint	Recall and application of binary	Formatting cells Calculations Sorting Data Filtering Data	Flowol will be used to develop students logical reasoning and problem-solving talents, develop programming skills and explore the world of automatic control systems and robots. Flowol is the first step in	Allow Creat Allov	g code to: movement re variables v selection integration	

Assessments	PowerPoint presentation on the impact of cyber bullying	Creation of Powtoon animation Binary Assessment	learners journey to be confident computer programmers. Spreadsheet Assessment Completed logo	Flowol Assessment	Scratch Assessment using all key stills to create codes to solve real world problems
Curiosity	https://www.youtube.com/watch?v=yrjT8m0hcKU - Impact of Cyber Bullying https://www.youtube.com/watch?v=PluTCxb61Jk - Howeasily your personal data can be taken https://www.youtube.com/watch?v=idyXOMAZOUg - Little Mix star Jessy Nelson talks about the impact of Cyberbullying on her	https://www.youtube.c om/watch?v=YgVNJ2v 9IPA – Binary use in real life	https://www.youtube.com/ watch?v=f NqkiNJPIU - the first ever spreadsheet inventors https://learntocodewith.me/ posts/excel-skills/ - advanced skills on excel	https://www.youtu atch?v=irhNLRWw to make a virtual p scratch https://www.youtu atch?v=YpTPKiPNs to create a story in	whv0 - how pet in ube.com/w 9G4 - how

Extra Curricular:

- Coding Club
- Internet Safety Day Logo Competition

- Bebras ChallengeCompletion of ideas programme bronze badge