Computing at Richard Bonington
Technology enables us to code, create and connect.

The Elements of Computing

Digital literacy	Information Technology	Computer Science	Esafety

Knowledge and Understanding

Substantive Computing Knowledge (The apps, software, hardware, systems, services, networks used)		Topic Specific Vocabulary (The language and terminology for each Element of Computing)	
iCommunicate Children use technology safely and responsibly. Showing an understanding of the uses of information technologies outside of school. They evaluate digital content and understand the opportunities that digital literacy offers for communication and collaboration.	**iTech** Children use technology purposefully and effectively to create, organize, store, manipulate and retrieve digital content. Children use a variety of software on a range of digital devices to design and create programs, systems and content to achieve a goal. Children learn to analyse and evaluate data and information.	**iCode** Children show understanding of computational thinking and coding concepts when they get to tinker with programming software and robotics. Pupils have time to apply what they have learned in opened exploration with block based code and/or robotics play.	**iAm Safe** Children show understanding of online safety which is taught during class assemblies each half term but also through other subject areas, such as PSHE and RSE. Whole school online safety assemblies are planned by the Computing Leader when appropriate. (Internet Safety Day)

Skills

Digital literacy	Information technology	Computer science	Esafety	
iProgram	iProgram	iProgram	**iSafe**	iPower
iSafe	iSafe	iAlgorithm	iWatch	iSearch
iAlgorithm	iWrite	iWrite	iPlay	iSecure
iWrite	iData	iData	iShare	iKnow Spam
iModel	iModel	iSearch	iPlay More	iCommuncate
iPub	iPub	iSimulate	iDetail	iBeat Cyber Bullying
iBlog	iBlog	iConnect	iCarnival	iPersonal
iSearch	iSearch	iNetwork	iGame	iStay Safe
iAnimate	iAnimate	iWeb	iInfo	iTrust
iDo Mail	iDo Mail	iCrypto	iHero	iKnow Bullying
iConnect	iSimulate	iNetwork	iBlock	iKind
iPodcast	iConnect	iApp	iFind Out	iUptand
iWeb	iPodcasting		iFriend	iNice
iApp	iMail		iFeel	iTone
	iDraw		iProtect	iGet Help
	iWeb		iChat	iReport
	iCrypto		iPrivate	
	iApp			