



## Our Curriculum Journey Computing

### Years EYFS to 11

#### Curriculum Intent:

At Seva School, the Computer Science curriculum is designed to give our students the opportunity to follow a Computing curriculum that prepares them for life in modern Britain and takes advantage of the opportunities this can offer them in the wider world. Students are taught the principles of information and computation; how digital systems work and how to put this knowledge to use through programming. Developing good computing skills enables students to engage positively with the technologies that has shaped the world and to take an active part in the design, development and creation of new technologies. Students draw and extend their understanding from a range of other subjects outside of computing and embed clear and high-quality literacy and numeracy skills through problem solving and evaluation skills.

Year	Curriculum Journey
EYFS	iSafe, iModel, iCreate, iProgram (Unit 1), iProgram (Unit 2), iAlgorithm
1	iAlgorithm, iWrite, iData, iProgram (Unit 1), iModel, iProgram (Unit 2), iSafe
2	iProgram (Unit 1), iSearch, iAnimate, iPub, iBlog, iSafe
3	iProgram (Unit 1), iSimulate, iNetwork, iConnect, iPodcast, iSafe
4	iProgram (Unit 1), iData, iMail, iAnimate, iProgram (Unit 2), iSafe
5	iProgram (Unit 1), iDraw, iCrypto, iWeb, iProgram (Unit 2), iSafe
6	iProgram (Unit 1), iNetwork, iData, iApp (Unit 1), iProgram (Unit 2), iSafe
7	Impact of Technology, Modelling Data – Spreadsheets, Using Media, Networks, Programming in Scratch – Part 1, Programming in Scratch – Part 2
8	Computing Systems, Web Development, Python Programming, Media Vector Graphics, Binary Representation, Mobile App Development

<b>9</b>	Cybersecurity, Data Science, Media Animation, Image and Sound Representation, Python Programming, Physical Computing
<b>10</b>	Systems Architecture, Networking, Impacts of Technology, Algorithms and Boolean and Programming Development, Programming Fundamentals, Producing Robust Programming
<b>11</b>	Computer Systems, Computational thinking, Algorithms and Programming