Stratton School

Computer Science
Curriculum Journey (Years 7, 12 & 13)
2024 - 2025

Year 13 →

| Exchanging Data, Programming Project 1.3, 3.3, NW, DI, ET | Legal & Moral & Cultural & Ethical, Programming Project 3.3, 3.4, 1.5 IT, AL, PG | Programming Project 3.3, 3.4 PG, ET, CM | Targeted Revision | Targeted Revision | Final exams |

← Year 12

| Programming Project, Problem Solving 3.2, 3.3, 3.4, 2.2 AL, PG, DD | Algorithms 2.3 AL | Data Types & Structures & Algorithms 1.4 DI, CS, AL | Problem solving & programming, Programming Project 2.2, 3.1, 3.2 AL, PG | Legal & Issues, Computational thinking 1.5, 2.1 IT, DD | Components of the computer, Software and SW development 1.1, 1.2 CS, DD, ET |

Year 11 →

| Algorithms, Programming Project, Systems Architecture 2.1, 2.2, 1.1 AL, CS | Systems Software, Practical Programming Project 1.5, 2.2, 2.3 AL, PG | Computing 25 1 to 9 | Computing 25 10 to 19 | Computing 25 19 to 25 | Final exams |

← Year 10

| Practical Programming Project & Revision 2.2 DD, AL, PG | Boolean Logic, Practical Programming Project 2.4, 2.2 DD, AL, PG, CS | Ethical, Legal, Cultural and Environmental 1.6 IT | Computer Networks, Network Security 1.3, 1.4 NW, SS, CS | Programming Languages & Robust Programs 2.5, 2.3 AL, PG | Algorithms & Programming Fundamentals 2.1, 2.2 AL, PG |

Year 9 →

| Python Skills 2.2, 2.3 AL, PG | Python Skills & Robotics 2.2, 2.3 AL, PG | Cyber Security & Encryption 1.4 SS, IT, NW | Python Skills & Robotics 2.2, 2.3 AL, PG | Systems Architecture, Memory & Storage 1.1, 1.2 CS, AL | Systems Software 1.5 CS |

← Year 8

| Mobile App Development ET, PG | Media - Animations ET, CM | Developing for the web CM, PG | Media - Vector graphics CM, ET | Introduction to Python Programming AL, PG | Introduction to Cyber Security SS, IT |

Year 7 →

| E-safety & Clear Messaging ET, SS | Programming Essentials - Scratch AL, PG | Modelling Data using Spreadsheets ET, CM | Computing Systems (HW, SW & Networks) PG, CS, NW | Programming Essentials - Makecode & micro:bits AL, PG | Data Representation DI, IT |

Feeder Schools

| Transition project | Year 6 curriculum |

Computer Science
Curriculum Journey (Years 8, 12 & 13)
2024 - 2025

Stratton School

Year 13 →

Exchanging Data, Programming Project	Legal & Moral & Cultural & Ethical, Programming Project	Programming Project	Targeted Revision	Targeted Revision	Final exams
1.3, 3.3, NW, DI, ET	3.3, 3.4, 1.5 IT, AL, PG	3.3, 3.4 PG, ET, CM			

← Year 12

Programming Project, Problem Solving	Algorithms	Data Types & Structures & Algorithms	Problem solving & programming, Programming Project	Legal & Issues, Computational thinking	Components of the computer, Software and SW development
3.2, 3.3, 3.4, 2.2 AL, PG, DD	2.3 AL	1.4 DI, CS, AL	2.2, 3.1, 3.2 AL, PG	1.5, 2.1 IT, DD	1.1, 1.2 CS, DD, ET

Year 11 →

Algorithms, Programming Project, Systems Architecture	Systems Software, Practical Programming Project	Computing 25	Computing 25	Computing 25	Final exams
2.1, 2.2, 1.1 AL, CS	1.5, 2.2, 2.3 AL, PG	1 to 9	10 to 19	19 to 25	

← Year 10

Practical Programming Project & Revision	Boolean Logic, Practical Programming Project	Ethical, Legal, Cultural and Environmental	Computer Networks, Network Security	Programming Languages & Robust Programs	Algorithms & Programming Fundamentals
2.2 DD, AL, PG	2.4, 2.2 DD, AL, PG, CS	1.6 IT	1.3, 1.4 NW, SS, CS	2.5, 2.3 AL, PG	2.1, 2.2 AL, PG

Year 9 →

Python Skills	Python Skills & Robotics	Cyber Security & Encryption	Python Skills & Robotics	Systems Architecture, Memory & Storage	Systems Software
2.2, 2.3 AL, PG	2.2, 2.3 AL, PG	1.4 SS, IT, NW	2.2, 2.3 AL, PG	1.1, 1.2 CS, AL	1.5 CS

← Year 8

Data Representation	Programming Essentials - Makecode & micro:bits	Computing Systems (HW, SW & Networks)	Modelling data using spreadsheets	Programming Essentials - Scratch	E-safety & Clear Messaging
CS, IT	CS	CS	IT	CS	DL, IT

Stratton School

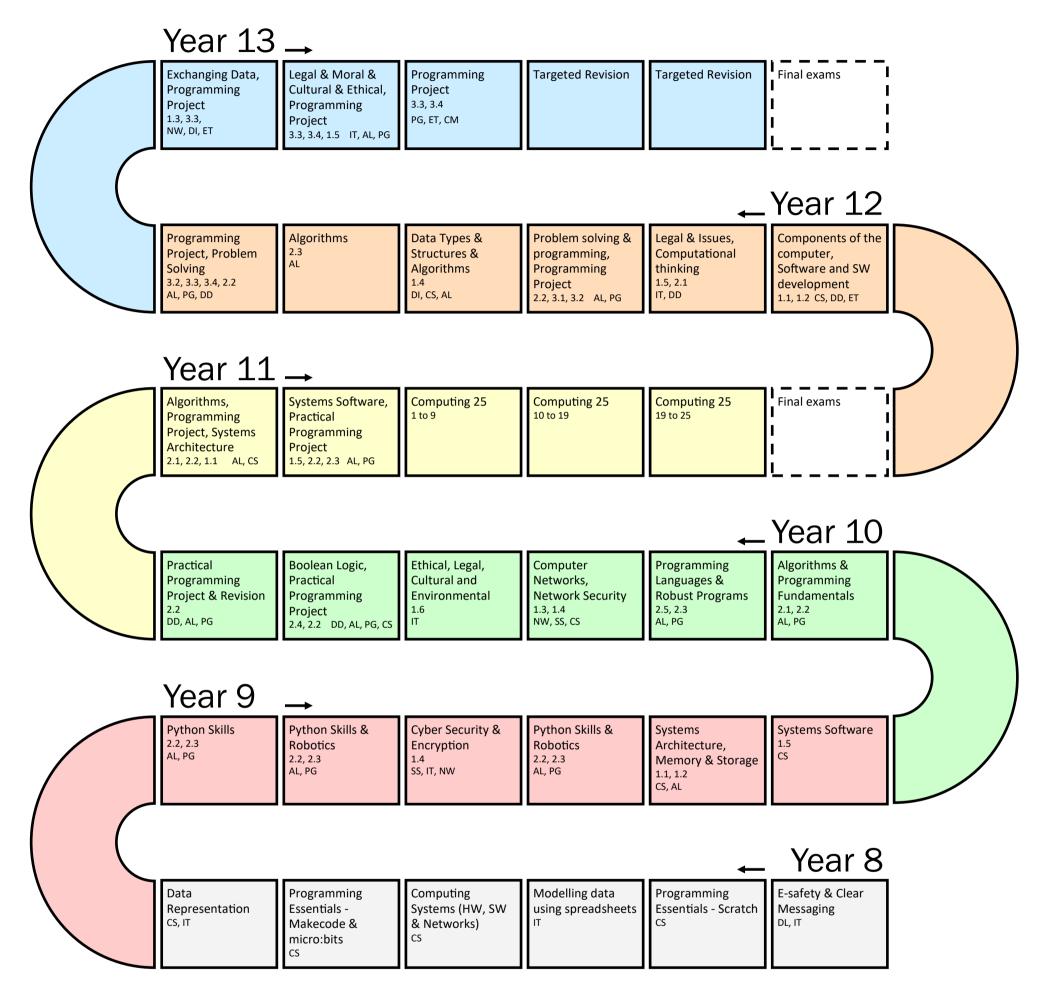# Computer Science
Curriculum Journey (Years 9 to 13)
2024 - 2025

Year 13 →

| Exchanging Data, Programming Project
1.3, 3.3,
NW, DI, ET | Legal & Moral & Cultural & Ethical, Programming Project
3.3, 3.4, 1.5 IT, AL, PG | Programming Project
3.3, 3.4
PG, ET, CM | Targeted Revision | Targeted Revision | Final exams |

← Year 12

| Programming Project, Problem Solving
3.2, 3.3, 3.4, 2.2
AL, PG, DD | Algorithms
2.3
AL | Data Types & Structures & Algorithms
1.4
DI, CS, AL | Problem solving & programming, Programming Project
2.2, 3.1, 3.2 AL, PG | Legal & Issues, Computational thinking
1.5, 2.1
IT, DD | Components of the computer, Software and SW development
1.1, 1.2 CS, DD, ET |

Year 11 →

| Algorithms, Programming Project, Systems Architecture
2.1, 2.2, 1.1   AL, CS | Systems Software, Practical Programming Project
1.5, 2.2, 2.3 AL, PG | Computing 25
1 to 9 | Computing 25
10 to 19 | Computing 25
19 to 25 | Final exams |

← Year 10

| Boolean Logic, Practical Programming Project
2.4, 2.2   DD, AL, PG, CS | Ethical, Legal, Cultural and Environmental
1.6
IT | Computer Networks, Network Security
1.3, 1.4
NW, SS, CS | Programming Languages & Robust Programs
2.5, 2.3
AL, PG | Algorithms & Programming Fundamentals
2.1, 2.2
AL, PG | Memory & Storage, Systems Architecture, Systems Software
1.1, 1.2, 1.5   CS, AL |

Year 9 →

| E-safety & Clear Messaging
ET, SS | Programming Essentials - Scratch
PG, DD, AL | Modelling Data using Spreadsheets
DD, ET | Computing Systems (HW, SW & Networks)
CS, NW | Programming Essentials - Makecode & micro:bits
PG, DD, AL | Data Representation
DI, IT |