KS4 Core Scheme of Work

This is delivered through:

- ✓ Assemblies
- ✓ Fortnightly tutor sessions
- ✓ Curriculum immersion days
- ✓ Cross Curricular use of IT applications including the iPads

Year 10

Time	NC strand	Core Content	Success Criteria	Lead/Delivery
Throughout	1	**OneNote** Students can use collaborative and communication applications; introduce new students to the platform as needed, support those who are finding these apps difficult	Use collaborative IT applications confidently, productively, and independently across all contexts.	MFL lessons and homework - responsibility All class teachers consolidate use of Teams and One note class notebook.
Throughout	1	**Teams and OneDrive** Use the CATalogue and Onedrive to access, store and organise resources; introduce new students to the platform as needed, support those who are finding these app difficult	Can work seamlessly at home and in school by using cloud resources; files and folders well are organised	Science lessons and homework
Sept	3	Back up and organising files	File and folders in Onedrive well organised	Form tutor
Sept	3	CVC Acceptable Use Policy		Form tutor
October	3	Protecting your personal information with strong passwords	Know what a strong is and implement a strong password	Form tutor

October	3	Cyberbullying, hate speech and trolling	Online quiz	Form tutor
October	1	Create a flash cards mobile phone application in AppLab	Flash cards app created for mobile phone / tablet	Curriculum Immersion days, CS teachers, Maths teachers
November	2	Computational thinking: Algorithms	Solve problems requiring algorithmic thinking and understand where this thinking can be applied across the curriclulm	Form tutor
November	2	Computational thinking: Abstraction	Solve problems requiring abstraction and understand where this thinking can be applied across the curriclulm	Form tutor
December	2	Computational thinking: Decomposition	Solve problems requiring decomposition and understand where this thinking can be applied across the curriclulm	Form tutor
December	2	Computational thinking: recognizing patterns	Solve problems requiring pattern recognition and understand where this thinking can be applied across the curriclulm	Form tutor
January	2	Computational thinking: debugging	Debug problems and understand where this thinking can be applied across the curriclulm	Form tutor
January	2	Computational thinking	Online quiz assessment	Form tutor
February	3	Fake news	Online quiz	Form tutor
February	3	Social media and Mental Health	Able to discuss these	Form tutor
March	3	Artificial Intelligence: Avoiding plagarism	Understand JCQ guidance	Form tutor

March	1	Artificial intelligence: how to use positively		Form tutor
April	1	Artificial intelligence and ethics		Form tutor
April	3	Your digital footprint		Assembly
May	3	Your digital footprint follow up	Online quiz	Form tutor
May	1	Writing your CV		Form tutor
June	1	Writing your CV		Form tutor
June	1	Writing your CV	Completed CV	Form tutor

Year 11

Time	NC strand	Core Content	Success Criteria	Lead/Delivery
Throughout	1	**OneNote** Students can use collaborative and communication applications; introduce new students to the platform as needed, support those who are finding these app difficult	Use collaborative IT applications confidently, productively and independently across all contexts.	MFL lessons and homework - responsibility All class teachers consolidate use of Teams and One note class notebook.
Throughout	1	**Teams and OneDrive** Use the CATalogue and Onedrive to access, store and organise resources; introduce new students to the	Can work seamlessly at home and in school by using cloud resources; files and folders well are organised	Science lessons and homework

		platform as needed, support those who are finding these app difficult		
Sept	3	Back up and organising files	File and folders in Onedrive well organised	Form tutor
Sept	3	CVC Acceptable Use Policy		Form tutor
October	3	Protecting your personal information with strong password	Know what a strong is and implement a strong password	Form tutor
October	3	Cyberbullying, hate speech and trolling	Online quiz	Form tutor
October	1	Create a flash cards mobile phone application in AppLab	Flash cards app created for mobile phone / tablet	Curriculum Immersion days, CS teachers, Maths teachers
November	2	Computational thinking: Algorithms	Solve problems requiring algorithmic thinking and understand where this thinking can be applied across the curriclulm	Form tutor
November	2	Computational thinking: Abstraction	Solve problems requiring abstraction and understand where this thinking can be applied across the curriclulm	Form tutor
December	2	Computational thinking: Decomposition	Solve problems requiring decomposition and understand where this thinking can be applied across the curriclulm	Form tutor
December	2	Computational thinking: recognizing patterns	Solve problems requiring pattern recognition and understand where this thinking can be applied across the curriclulm	Form tutor

January	2	Computational thinking: debugging	Debug problems and understand where this thinking can be applied across the curriclulm	Form tutor
January	2	Computational thinking	Online quiz assessment	Form tutor
February	3	Fake news	Online quiz	Form tutor
February	3	Social media and Mental Health	Able to discuss these	Form tutor
March	3	Artificial Intelligence: Avoiding plagarism		Form tutor
March	1	Artificial intelligence: how to use positively		Form tutor

KS4 National curriculum

1	Pupils develop their capability, creativity and knowledge in computer science, digital media and information technology
2	Pupils develop and apply their analytic, problem-solving, design, and computational thinking skills
3	Pupils understand how changes in technology affect safety, including new ways to protect their online privacy and identity, and how to identify and report a range of concerns