Subject Overview: Computing

This is envisaged that the progression document for Computing is best delivered through a blended learning approach which teaches the knowledge/skills and concepts in the four headings. These are:

1. Personal Skills
2. Application
3. Output/Communication
4. Security/Online Safety

Therefore, all knowledge/skills and concepts will be delivered by active, hands-on experience. Please see tables below.

Class 1

Concepts Covered						
Term	Autumn		Spring		Summer	
Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cycle 1 25-26	Surf Safe - Online Safety	Exploring basic gaming	Exploring and practicing typing	Voice search - Research	Taking and creating basic pictures	Recording sounds
Cycle 2 26-27	How to get support when something is wrong online	Receiving an email	Answering a video call	Basic introduction to programming	Exploring basic skills for a range of technology	Technology in our lives (online)

Class 2&3

Concepts Covered						
Term	Autumn		Spring		Summer	
Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cycle 1 25-26	Surf Safe - Online Safety	Typing words	Accessing Emails	Basic Skills needed to use a range of technology	Research information and images	Programming arrow cars
Cycle 2 26-27	Age appropriate Online Safety	Technology in our lives (online)	Gaming in our lives	Taking and creating pictures	Exploring and evaluating Videos	Making video calls

Class 4&5

Concepts Covered						
Term	Autumn		Spring		Summer	
Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cycle 1 25-26	Digi ducks Online Safety	Multimedia Taking, retrieving and creating pictures	Technology in our lives – Using them and storing them correctly and safely	Programming Beebots	Typing sentences and exploring fonts	Collecting and input data
Cycle 2 26-27	Age appropriate Online Safety	Multimedia Comparing types of videos	Knowing your email address to send and receive emails	Presenting Data by creating slides	How to be respectful and stay safe when gaming online	List ways to communicate online and their benefits

Class 6, 7, 8 & 9

Term	Autumn		Spring		Summer	
Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cycle 1 25-26	Goldilocks Vodafone - Online Safety	Multimedia- Editing and printing pictures	Technology in our lives – exploring our digital footprint and its impact	Programming – Probots/ Constructa Bots	Word Processing	Data Handling including graphs and formulas
Cycle 2 26-27	Age appropriate Online Safety	Presenting Data in a range of ways	Communicating – Emails Create a purposeful account where they can send attachments and group emails including CC and BCC	Communicating – Importance and safety of online chat rooms	Risks and precautions of online gaming	Multimedia – Videos and Video Calls

Concepts Covered

Class 10, 11, 12 & 13

Term	Autumn		Spring		Summer	
Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cycle 1 25-26	**Gateway - Digital Skills for life coursework**	**Gateway - Digital Skills for life coursework**	Online communication and its benefits	Problem solving	Components of a computer including hardware and software	Investigate computer networking
Cycle 2 26-27	**Gateway - Digital Skills for work coursework**	**Gateway - Digital Skills for work coursework**	Data Handling – Excel Spreadsheets/ Google sheets	Multimedia – Pictures/Videos and Audio	Online Safety in terms of social media and its effects both positive and negative	Technology in our lives – viruses and spam risks and how to handle them.

Concepts Covered