

Temperance Term

W/C	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		
Area of Study	Using Computers Safely and Effectively								
Core Learning	 Be able to Construct a 	the need to be safe and rea login and use the school sy an effective email and senc discuss the different aspec	rstems I it to the correct recipients		Content: Strong passwords Responsible and respec Online safety Phishing and Spam	HALF TERM			
Opportunities for Challenge	Research & worksheets on the History of the internet and how it developed and continues to develop.								
Assessment	Formative assessment: Through teacher observation, questioning, quizzes and marked activities Summative assessment: End of Unit Quiz assessment								

W/C	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	CHRISTMAS
Area of Study							
Core Learning	• To understand fil	ow the simple hardware tha e sizes and how these are c hat binary is and how comp	reated/converted	Content: Simple hardware Storage devices and the File sizes and converting Data representation – E	g file sizes		
Opportunities for Challenge	Worksheets on differe						
Assessment	Formative assessment Summative assessmen						



Justice Term

W/C	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19			
Area of Study	Data Analysis using Spreadsheets								
Core Learning	To be able to choose appTo be able to implement	the fundamentals of spreadshe ropriate formula when analysing conditional formatting data for easy comparisons	ets I ; data I ;	Content: Jnderstanding what data is and i Demonstrating how to utilise for Applying cell formatting Contextualising spreadsheets in r Applying conditional formatting t Creating charts and Graphs	HALF TERM				
Opportunities for Challenge	Creating more complex algorithms and flow charts to represent "real world" problem solving.								
Assessment	Formative assessment: Through teacher observation, questioning and marked activities Summative assessment: End of Unit assessment								

W/C	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25			
Area of Study	Computational Thinking								
Core Learning	To be able to describe and solving is	the fundamentals of Computati d explain what abstraction, deco action, decomposition and probl of flow charts	onal Thinking. mposition and problem	<u>Content:</u> Using, understanding and creatin Discussions on Computing in "rea How computational thinking is ap Introduction to flow charts	EASTER				
Opportunities for Challenge	Creating more complex algorithms and flow charts to represent "real world" problem solving.								



Assessment Formative assessment: Through teacher observation, questioning and marked activities Summative assessment: End of Unit assessment



Courage Term

W/C	Week 26	Week 27	Week 28	Week 28	Week 30	Week 31		
Area of Study	Programming Essentials – Part I – Micro:Bits							
Core Learning	Objectives:		9	Content:				
	Identify and use variables	nce, selections and iteration in c in coding. tructs to solve "real world" prob	lems c	Variables and assignment Operators Selection (if-else) Count-controlled iteration (for loops) Physical Computing				
Opportunities for Challenge	Using boolean operators and functions within the coding environment							
Assessment	Formative assessment: Through teacher observation, questioning and marked activities Summative assessment: End of Unit assessment							

W/C	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37				
Area of Study		Programming Essentials –Part II – Scratch Programming								
Core Learning	Objectives: Content: • To be able to use programming skills learnt in another IDE and transfer those skills to the Scratch IDE Variables and assignment Operators • Consolidate knowledge of programming ie variables, sequences, selection and iteration Variables and assignment Operators • Begin to understand how an IDE can be helpful for coding Count-controlled iteration (for loops) • Develop a Space Invaders game which uses all the elements previously learnt. Using different Integrated Development Environments									
Opportunities for Challenge	The use of comparable operators and Boolean operators in block coding. Extensions for more complex block coding.									
Assessment	Formative assessment: Through teacher observation, questioning and marked activities Summative assessment: End of Unit Assessment based on the Space Invaders game project.									

