Child's Name:		
Child's Name:		

Milestone 3

Computing Year 5



By the end of Year 5 pupils should have a 'Expected' understanding, whilst some will have a 'Deep' understanding.

	Basic:	Expected:	Deep:
Computer skills (spans across all units)			2 ССБ.
Locate and open any necessary files required			
Know the different buttons on the keyboard and their names (for			
example enter button, space bar, tab, backspace, shift, control and alt)			
Use some keyboard short cuts for tasks (for example ctrl + V, ctrl + p,			
ctrl + S, ctrl + a, ctrl + c, etc)			
Type with a fluent speed and reasonable accuracy			
Use both hands to speed up typing skills			
Information Technology			
Unit 5.3 - Spreadsheets			
Use formulae within a spreadsheet to convert measurements			
of length and distance.			
Use the count tool to answer hypotheses about common			
letters in use			
Use a spreadsheet to model a real-life problem.			
Use formulae to calculate area and perimeter of shapes.			
Create formulae that use text variables.			
Use a spreadsheet to help plan a school cake sale.			
Unit 5.4 - Databases			
Learn how to search for information in a database.			
Contribute to a class database.			
Create a database around a chosen topic.			
Unit 5.5 - Game Creator			
Introduce the 2DIY 3D tool.			
Begin planning a game.			
Design the game environment.			
Design the game quest to make it a playable game.			
Finish and share the game.			
Unit 5.6 - 3D Modelling			
Introduced to the 2Design and Make tool.			
Explore the effect of moving points when designing.			
Design a 3D model to fit certain criteria.			
Refine and print a model.			
Unit 5.7 - Concept Maps			
Understand the need for visual representation when			
generating and discussing complex ideas.			
Understand the uses of a 'concept map'.			
Understand and use the correct vocabulary when creating a			
concept map.			
Create a concept map.			
Understand how a concept map can be used to retell stories			
and information.			
Create a collaborative concept map and present this to an			
audience.			

Child's Name:		
Child's Name:		

Milestone 3

Computing Year 5



	Basic:	Expected:	Deep:
Computer Science			
Unit 5.1 - Coding			
Be able to simplify code.			
Create a playable game.			
Understand what a simulation is.			
Program a simulation using 2Code.			
Know what decomposition and abstraction are in Computer			
Science.			
Take a real-life situation, decompose it and think about the			
level of abstraction.			
Use decomposition to make a plan of a real-life situation.			
Understand how to use friction in code.			
Begin to understand what a function is and how functions			
work in code.			
Understand what the different variable types are and how			
they are used differently.			
Understand how to create a string.			
Begin to explore text variables when coding.			
Understand what concatenation is and how it works.			
Digital Literacy / Online Safety			
Unit 5.2 - Online Safety			
Gain a greater understanding of the impact that sharing digital			
content can have.			
Review sources of support when using technology.			
Review children's responsibility to one another in their online behaviour.			
Know how to maintain secure passwords.			
Understand the advantages, disadvantages, permissions, and			
purposes of altering an image digitally and the reasons for			
this.			
Be aware of appropriate and inappropriate text, photographs			
and videos and the impact of sharing these online.			
Learn about how to reference sources in their work.			
Search the Internet with a consideration for the reliability of			
the results of sources to check validity and understand the			
impact of incorrect information.			
Ensure reliability through using different methods of			
communication.			