

Year 4 - Medium-Term Plan

Lesson	Title	Success Criteria
<u>1</u>	Design, Code, Test and Debug	<ul style="list-style-type: none"> Children can explore different object types in 2Code. Children can use a background and objects to create a scene. Children can plan an algorithm for their scene and use 2Code to program it.
<u>2</u>	IF Statements	<ul style="list-style-type: none"> Children can create a program that includes an IF statement. Children can interpret a flowchart that depicts an IF statement.
<u>3</u>	Co-ordinates	<ul style="list-style-type: none"> Children can make use of the X and Y properties of objects in their coding. Children can create a program that includes an IF statement.
<u>4</u>	Repeat Until and IF/ELSE Statements	<ul style="list-style-type: none"> Children can read code that includes repeat until and IF/ ELSE and explain how it works. Children can create a program that includes an IF/ ELSE statement. Children can interpret a flowchart that depicts an IF/ ELSE statement.
<u>5</u>	Number Variables	<ul style="list-style-type: none"> Children can explain what a variable is in programming. Children can create and use variables when programming.
<u>6</u>	Making a Playable Game	<ul style="list-style-type: none"> Children can read code that includes repeat until and IF/ ELSE and explain how it works. Children can create a program that includes and IF/ ELSE statement. Children can interpret a flowchart that depicts an IF/ ELSE statement.

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Lesson	Title	Success Criteria
<u>1</u>	Formula Wizard and Formatting Cells	<ul style="list-style-type: none">• Children can use the number formatting tools within 2Calculate to appropriately format numbers.• Children can add a formula to a cell to automatically make a calculation in that cell.
<u>2</u>	Using the Timer and Spin Buttons	<ul style="list-style-type: none">• Children can use the timer, random number and spin button tools.• Children can combine tools to make fun ways to explore number.
<u>3</u>	Line Graphs	<ul style="list-style-type: none">• Children can use a series of data in a spreadsheet to create a line graph.• Children can use a line graph to find out when the temperature in the playground will reach 20°C.
<u>4</u>	Using a Spreadsheet for Budgeting	<ul style="list-style-type: none">• Children can make practical use of a spreadsheet to help them plan actions.• Children can use the currency formatting in 2Calculate.
<u>5</u>	Exploring Place Value with a Spreadsheet	<ul style="list-style-type: none">• Children can allocate values to images and use these to explore place value.• Children can use a spreadsheet made in 2Calculate to check their understanding of a mathematical concept.

Spring 1

Medium-Term Plan

Lesson	Title	Success Criteria
<u>1</u>	Font Styles	<ul style="list-style-type: none">• Children can look at and discuss a variety of written material where the font size and type are tailored to the purpose of the text.• Children can use text formatting to make a piece of writing fit for its audience and purpose.
<u>2 & 3</u>	Using a Simulated Scenario to Produce a News Report	<ul style="list-style-type: none">• Children can role-play the job of a journalist in a newsroom.• Children can interpret a variety of incoming communications and use these to build up the details of a story.• Children can use the incoming information to write their own newspaper report.
<u>4 & 5</u>	Writing for a Campaign	<ul style="list-style-type: none">• Children can use 2Connect to mind-map ideas for a community campaign.• Children can use these ideas to write a persuasive letter or poster as part of the campaign.• Children can assess their texts using criteria to judge their suitability for the intended audience.

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Lesson	Title	Success Criteria
<u>1</u>	Introduction to 2Logo	<ul style="list-style-type: none">• Children know what the common instructions are in 2Logo and how to type them.• Children can follow simple 2Logo instructions to create shapes on paper.• Children can follow simple instructions to create shapes in 2Logo.
<u>2</u>	Creating Letters using 2Logo	<ul style="list-style-type: none">• Children can create 2Logo instructions to draw patterns of increasing complexity.• Children understand the pu and pd commands.• Children can write 2Logo instructions for a word of four letters.
<u>3</u>	Using the 'Repeat' Command in 2Logo	<ul style="list-style-type: none">• Children can follow 2Logo code to predict the outcome.• Children can create shapes using the Repeat command.• Children can find the most efficient way to draw shapes.
<u>4</u>	Using Procedures	<ul style="list-style-type: none">• Children can use the Procedure feature.• Children can create 'flowers' or 'crystals' using 2Logo.

Medium-Term Plan

Lesson	Title	Success Criteria
<u>1</u>	Animating an Object	<ul style="list-style-type: none">• Children have put together a simple animation using paper to create a flick book.• Children understand animation frames.• Children have made a simple animation using 2Animate.
<u>2</u>	2Animate Tools	<ul style="list-style-type: none">• Children know what the Onion Skin tool does in animation.• Children can use the Onion Skin tool to create an animated image.• Children can use backgrounds and sounds to make more complex and imaginative animations.
<u>3</u>	Stop Motion Animation	<ul style="list-style-type: none">• Children know what 'stop motion' animation is and how it is created.• Children have used ideas from existing 'stop motion' films to recreate their own animation.• Children have shared their animations and commented on each other's work using display boards and blogs in Purple Mash.

Summer 2

Medium-Term Plan

Lesson	Title	Success Criteria
<u>1</u>	Using a Search Engine	<ul style="list-style-type: none">• Children can structure search queries to locate specific information.
<u>2</u>	Use Search Effectively to Answer Questions	<ul style="list-style-type: none">• Children have used search to answer a series of questions.• Children have written search questions for a friend to solve.
<u>3</u>	Reliable Information Sources	<ul style="list-style-type: none">• Children can analyse the contents of a web page for clues about the credibility of the information.