

Unit 6.8 - Understanding Binary: Prior and Future Learning Links

<p>Unit 1.1 Coding</p> <ul style="list-style-type: none"> • Introducing block coding • Objects and actions • Events (Click event, sound output) • Executing a program • Design view: Planning 	<p>Unit 1.4 Lego Builders</p> <ul style="list-style-type: none"> • Algorithms • Logical decision making • Sequencing instructions • Following instructions 	<p>Unit 1.5 Maze Explorers</p> <ul style="list-style-type: none"> • Coding a 'turtle' • Creating programs using sequencing and repeat • Visual use of the Logo programming language. • Program logic and structure
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<p>Unit 2.1 Coding</p> <ul style="list-style-type: none"> • Algorithms • Collision detection • Timers • Object types • Buttons • Debugging 	<p>Unit 2.4 Questioning</p> <ul style="list-style-type: none"> • Logical decision processing • Forward planning to achieve a solution 	<p>All units</p> <ul style="list-style-type: none"> • Use of 2Dos • Saving, opening and editing work • Sharing work • Copying and pasting • Mouse, keyboard and device skills
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<p>Unit 3.1 Coding</p> <ul style="list-style-type: none"> • Flowcharts • Timers • Repeat • Code, test, debug process 	<p>Unit 3.6 Branching Databases</p> <ul style="list-style-type: none"> • Logical decision processing • Modelling selection on a binary model
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<p>Unit 4.1 Coding</p> <ul style="list-style-type: none"> • Code, test, debug process • IF statements • Repeat Until and IF/ ELSE Statements • Number Variables 	<p>Unit 4.5 Logo</p> <ul style="list-style-type: none"> • Text-based coding • Utilize understanding of coding structures
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Unit 5.1 Coding

- Efficient Coding
- Simulating a Physical System
- Decomposition and Abstraction
- Friction and Functions
- Introducing Strings
- Text Variables and Concatenation

<p>Unit 6.1 Coding</p> <ul style="list-style-type: none"> • Complex programs • Using Functions • Flowcharts and Control Simulations • User Input: 	<p>Unit 6.8 Understanding Binary</p>
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