

















# DINNINGTON FIRST SCHOOL COMPUTING CURRICULUM

Curriculum Intent

Topic Title    Concepts    Skills

	Ongoing	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
Y1	<p><b>ESafety</b> <b>2BeSafe – Purple Mash Scheme of Work Key Themes</b></p> <ul style="list-style-type: none"> <li>Self-Image &amp; Identity</li> <li>Online Relationships</li> <li>Online Reputation</li> <li>Online Bullying</li> <li>Managing Online Information</li> <li>Health, Wellbeing &amp; Lifestyle</li> <li>Privacy &amp; Security</li> <li>Copyright and Ownership</li> </ul> <p>Pupils will also use <b>GREENSCREEN</b> skills &amp; <b>Book Creator</b> to supplement learning in other subject areas</p> 	<p><b>Digital Literacy &amp; Information Technology.</b> <b>Computing Systems and Networks</b> <b>Exploring purple mash (NCCE)</b></p> <p>Identify technology including computers and their main parts. Use a keyboard to enter text and save my work to a file. Open a file and edit work using the delete button. Reposition objects by dragging with the mouse / touchpad.</p> 	<p><b>Digital Literacy &amp; Information Technology</b> <b>Creating Media – Digital Painting (NCCE)</b></p> <p>Use the paint tools to draw a picture. Make marks with different shape and line tools. Change the colour of the pen/brush and alter the brush size. Use the paint tools to recreate the work of a famous artist.</p> 	<p><b>Computer Science</b> <b>Programming – Moving A Robot (NCCE)</b></p> <p>Predict and match a command to an outcome. Sequence commands starting from the same place using forwards, backwards and turn. Debug a program and explain what a program should do. Use two different programs to get to the same place.</p> 	<p><b>Digital Literacy &amp; Information Technology</b> <b>Creating Media – Digital Writing (NCCE)</b></p> <p>Identify and find keys on a keyboard. Enter text and use backspace to remove text. Use italic, bold and underline Type capital letters Select text by clicking and dragging.</p> 	<p><b>Computer Science</b> <b>Programming Animations (NCCE Scratch Jr)</b></p> <p>Use commands to move a sprite. Use start and multiple blocks in a block program and run it. Use and program more than one sprite. Test a program and debug it.</p> 	<p><b>Information Technology &amp; Digital Literacy.</b> <b>Data &amp; Information – Grouping Data (NCCE)</b></p> <p>Describe and group objects using labels Count &amp; group objects with similar properties. Group objects in more than one way. Decide how to group objects in order to answer a question.</p> 
Y2	<p><b>ESafety</b> <b>2BeSafe – Purple Mash Scheme of Work Key Themes</b></p> <ul style="list-style-type: none"> <li>Self-Image &amp; Identity</li> <li>Online Relationships</li> <li>Online Reputation</li> <li>Online Bullying</li> <li>Managing Online Information</li> <li>Health, Wellbeing &amp; Lifestyle</li> <li>Privacy &amp; Security</li> <li>Copyright and Ownership</li> </ul> <p>Pupils will also use <b>GREENSCREEN</b> skills &amp; <b>Book Creator</b> to supplement learning in other subject areas</p> 	<p><b>Digital Literacy &amp; Information Technology</b> <b>Data and Information – Presenting Data - Spreadsheets</b></p> <p>Understand what a spreadsheet is used for Enter data into cells Add images to aid calculations Use and edit data in a table layout.</p> 	<p><b>Digital Literacy &amp; Information Technology</b> <b>Creating Media – Digital Photography (NCCE)</b></p> <p>Use a digital device to take a photograph To explain the process of taking a good photograph. To explain why a photo would look better in a portrait or landscape orientation. Use tools to change an image.</p> 	<p><b>Digital Literacy &amp; Computer Science</b> <b>Programming – Robot Algorithms (NCCE)</b></p> <p>Describe a series of instructions as a sequence. Explain what happens when we change the order of instructions. Use an algorithm to program a sequence on a floor robot. Test and debug each part of a program.</p> 	<p><b>Digital Literacy &amp; Information Technology &amp; Computer Science</b> <b>Data and information – Pictograms (NCCE)</b></p> <p>Compare totals and record data in a tally chart Display data in a pictogram. Use a pictogram to compare information and answer a question.</p> 	<p><b>Digital Literacy &amp; Information Technology</b> <b>Creating Media – Digital Music (Purple Mash)</b></p> <p>Making Music (Making music using digital sequencing – expressing feelings)</p> 	<p><b>Digital Literacy &amp; Information Technology</b> <b>Programming- Quizzes (NCCE Scratch Jr)</b></p> <p>Presenting Ideas (Pupils recognise a range of ways information can be presented, make a quiz, manipulate and present digital content)</p> 

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Y4	<p><b>ESafety</b> <b>2BeSafe – Purple Mash Scheme of Work Key Themes</b></p> <ul style="list-style-type: none"> <li>Self-Image &amp; Identity</li> <li>Online Relationships</li> <li>Online Reputation               <ul style="list-style-type: none"> <li>Online Bullying</li> </ul> </li> <li>Managing Online Information</li> <li>Health, Wellbeing &amp; Lifestyle               <ul style="list-style-type: none"> <li>Privacy &amp; Security</li> </ul> </li> <li>Copyright and Ownership</li> </ul> <p>Pupils will also use <b>GREENSCREEN</b> skills &amp; <b>Book Creator</b> to supplement learning in other subject areas</p>	<p><b>Digital Literacy &amp; Information Technology</b> <b>Creating Media – Photo Editing &amp; Green Screen (NCCE / GEM Education)</b></p> <p>Know that the composition of digital images can be changed →Crop, rotate images Change colours in digital images.</p> <p>Use green screen to change the background of an image.</p>	<p><b>Digital Literacy &amp; Information Technology</b> <b>Presenting Information :Word Processing (PM5.8)</b></p> <p>Know what a word processing tool is used for.</p> <p>Create a document altering the look of the text.</p> <p>Add images, alter their size, edit their appearance within word and position by altering the 'wrapping'</p>	<p><b>Digital Literacy &amp; Computer Science</b> <b>Programming : Repetition in shapes (NCCE)</b></p> <p>Know that accuracy in programming is important.</p> <p>Create a program in text based language; test and debug it.</p> <p>To be familiar with how 'repeat' is used in programming.</p> <p>Modify and Create a count-controlled loop to produce a given outcome.(Draw different shapes)</p> <p>Supplement CODE.org (Course D)</p>	<p><b>Digital Literacy &amp; Computer Science</b> <b>Programming BBC Microbit (PM4.11)</b></p> <p>Use block coding to program (and debug) a BBC micro-bit.</p> <p>Program simple games, sounds and visual signals.</p>	<p><b>Digital Literacy &amp; Information Technology</b> <b>Making Music (PM4.9)</b></p> <p>Create simple rhythms, melodies to produce some house music. Experiment with pitch and tempo.</p>	<p><b>Digital Literacy &amp; Information Technology</b> <b>Email (PM3.5)</b></p> <p>Sending and receiving emails, adding attachments, replying to an email.</p>
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