

Computing 2 year rolling curriculum **Years 3 and 4**

Cycle A	Cycle B
<p>Programming (year 3) Programming</p> <ul style="list-style-type: none"> I can reorder a sequence of instructions to perform a given task I can refine a program by using the repeat command <p>Simulations</p> <ul style="list-style-type: none"> I can explain how to control a simulation I can explain how a simulation is and isn't realistic <p>Data Graphs (year 4)</p> <ul style="list-style-type: none"> I can present data in a graph, selecting the most appropriate layout I understand the difference between discrete and continuous data I can answer questions relating to graphs, and pose my own questions I can use my graph in a document/presentation to share findings with others <p>Communication Word processing (year 3)</p> <ul style="list-style-type: none"> I can use cut, copy and paste to reorder content I can use and resize graphics within my work I can use spell check to aid my writing <p>Online collaborations (year 3)</p> <ul style="list-style-type: none"> I can send and reply to online messages such as email I can add and open attachments I know not to open messages and attachments from strangers <p>Presentations (year 4)</p> <ul style="list-style-type: none"> I can add a background colour to improve my work I can add slide transitions and animation effects <p>Digital literacy and research Research (year 3)</p> <ul style="list-style-type: none"> I can search online for images and information <p>Multimedia Creating images (year 3)</p> <ul style="list-style-type: none"> I can zoom in to help paint a realistic picture <p>Video (year 3)</p> <ul style="list-style-type: none"> I can zoom in and out on subjects appropriately I can download the video files from the video camera I can combine video clips to create a video 	<p>Programming Programming (year 4)</p> <ul style="list-style-type: none"> I can text existing programs to see how they could be improved I can create a procedure (group of commands) to do a specific task I can sequence commands to create a program with a purpose using inputs <p>Data Databases (year 3)</p> <ul style="list-style-type: none"> I can create a branching database to sort and organise items I can filter and sort records in a database to answer questions <p>Spreadsheets (year 4)</p> <ul style="list-style-type: none"> I can add text and numbers to spreadsheet cells I can add simple formulae +-* / I can change the appearance of cells, e.g. size, borders and colours I can copy and paste formulae within a spreadsheet <p>Communication Word Processing (year 4)</p> <ul style="list-style-type: none"> I can use different layouts and effects (such as text box, columns, tables, justification, border, background colour) to refine and improve my work <p>Presentation (year 3)</p> <ul style="list-style-type: none"> I can type text and insert images onto pages I can add text effects and move item around to find the best layout <p>Online collaboration (year 4)</p> <ul style="list-style-type: none"> I know what spam is, and how to deal with it I know how and why to keep my personal information private <p>Digital literacy and research Research (year 4)</p> <ul style="list-style-type: none"> I can use more complex search criteria to narrow down my search I can describe how search results are ranked I know that not all websites are accurate and can check information using a different site I can make notes from information found on websites to present my findings <p>Multimedia Audio (year 3)</p> <ul style="list-style-type: none"> I can re-record an audio recording to improve clarity I can download and save a recording

<p>Photography (year 4)</p> <ul style="list-style-type: none">• I can crop and/or rotate an image where needed• I can adjust the colours on a photo <p>Audio (year 4)</p> <ul style="list-style-type: none">• I can edit an audio recording for a purpose• I can add an audio recording to other software	<p>Creating images (year 4)</p> <ul style="list-style-type: none">• I can group, copy and more shapes within a picture• I can order shapes/images by sending them to the back and front <p>Animation (year 4)</p> <ul style="list-style-type: none">• I can plan an animation using a storyboard• I can shoot frames to combine into an animation• I can edit an animation to improve it/ make it more realistic• I can put sounds over an animation• I can add titles and photos into an animation• I can plan and create an animation for a given purpose• I can combine an animation with other software
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