

Computing Curriculum Overview

Key:

Computer Science	
Digital Literacy	
Information Technology	
E-Safety	

Content to be taught termly (Schools/Year groups to discuss and decide which half term to be taught in)

Cycle	Year Group	1	2	3	4	5	6
Cycle A	EYFS	<p>Creating media</p> <ul style="list-style-type: none"> - Find a brush and mark marking. - Can find correct intake number and letters for name with support. <p>Programming</p> <ul style="list-style-type: none"> - Can use the language of forward and backwards independently with using the language left and right with support. <p>Data and Information</p> <ul style="list-style-type: none"> - Can count objects with increasing confidence and sort objects into groups with support. <p>Computing systems and networks</p> <ul style="list-style-type: none"> - Can name different simple technology with support for unfamiliar technology. - Can start to recognise letters in own name on a keyboard with support. <p>Fundamental Skills</p> <ul style="list-style-type: none"> - Can find the camera app and click on the link when hovering over the QR code with support. 	<p>Creating media</p> <ul style="list-style-type: none"> - Can change brush and colour of the brush with support. - Can log on to device with support. <p>Programming</p> <ul style="list-style-type: none"> - Can find the appropriate button which matches the appropriate language with support. <p>Data and Information</p> <ul style="list-style-type: none"> - Can count objects with increasing confidence and sort into groups with support and find the appropriate number key on the keyboard with support (iPad or physical keyboard). <p>Computing systems and networks</p> <ul style="list-style-type: none"> - Can name different simple technology. - Can recognise letters in own name on a keyboard with support. <p>Fundamental Skills</p> <ul style="list-style-type: none"> - Can find the camera app and click on the link when hovering over the QR code with less support. 	<p>Creating media</p> <ul style="list-style-type: none"> - Can change brush and colour of brush and make marks for a purpose. - Can log on to a device with no support. <p>Programming</p> <ul style="list-style-type: none"> - Can find the appropriate button which matches the appropriate language and make the bot move using three commands. <p>Data and Information</p> <ul style="list-style-type: none"> - Can count object confidence and sort objects into groups with support and find the appropriate key on a keyboard with support. <p>Computing systems and networks</p> <ul style="list-style-type: none"> - Can name different simple technology including new ones. <p>Fundamental Skills</p> <ul style="list-style-type: none"> - Can find the camera app and click on the link when hovering over the QR code. 	<p>2 x Online Safety lessons (30 mins)</p> <p>Computing Systems and Networks (Technology Around Us) (Y1, L1&2, Y2 L1-4) – (6 hours)</p> <p>Programming A – Robot (Y1, Y2) (2 hours)</p>	<p>2 x Online Safety lessons (30 mins)</p> <p>Creating Media – Digital painting (Y1) (3 hours)</p> <p>Fundamental Skills (5 hours)</p>	<p>2 x Online Safety lessons (30 mins)</p> <p>Programming A – Robot (Y1, Y2) (4 hours)</p> <p>Creating Media – Making Music (Y2) (4 hours)</p>
	Year 1 & 2	<p>Computing Systems and Networks (Connecting Computers) (5 hours)</p> <p>Data and information – branching (Y3) (3 hours)</p>	<p>2 x Online Safety lessons (30 mins) ?</p>	<p>Programming A (sequencing music – Y3) (4 hours)</p> <p>Programming B (events and actions – Y3) (4 hours)</p>	<p>2 x Online Safety lessons (30 mins)</p>	<p>Creating Media – Audio production (4 x 2 hour lessons = 8 hours total)</p>	<p>2 x Online Safety lessons (30 mins)</p>
	Year 3 & 4	<p>2 x Online Safety lessons (30 mins)</p>	<p>Programming B – selections in quizzes (Y5) Joined with Programming A – variables in games (Y6) (4 x 2 hour lessons = 8 hours total)</p>	<p>2 x Online Safety lessons (30 mins)</p>	<p>Computing Systems and Networks – sharing information (Y5) (4 hours)</p> <p>Computing Systems and Networks – Communication (Y6) (4 hours)</p>	<p>2 x Online Safety lessons (30 mins)</p>	<p>Programming A – selection in physical computing (MicroBits – Y5) (4 x 2 hour lessons = 8 hours total)</p>
	Year 5 & 6						

Cycle B	EYFS	See Cycle A		See Cycle A		See Cycle A	
	Year 1 & 2	2 x Online Safety lessons (30 mins)	Creating Media – digital photography (Y2) Creating Media – digital writing with digital photography (Y1) (4 x 2 hour lessons = 8 hours total)	Data and Information – grouping data (Y1) (3 hours) 2 x Online Safety lessons (30 mins)	Fundamental Skills (5 hours)	Programming B – introduction to animation (Y1) and quizzes (Y2) (4 x 2 hour lessons = 8 hours total)	2 x Online Safety lessons (30 mins)
	Year 3 & 4	Computing Systems and Networks (the internet) (4 hours) Creating Media (animation) (4 hours)	2 x Online Safety lessons (30 mins)	Creating media – Photo editing (Y4) (4 x 2 hour lessons = 8 hours total)	2 x Online Safety lessons (30 mins)	Programming A – repetition in shapes (Y4) (4 hours) Programming B – repetition in games (Y4) (4 hours)	2 x Online Safety lessons (30 mins)
	Year 5 & 6	2 x Online Safety lessons (30 mins)	Programming B – sensing (Y6) (4 x 2 hour lessons = 8 hours total)	2 x Online Safety lessons (30 mins)	Data and information – spreadsheets (Y6) (4 hours) Creating Media – 3D modelling (Y6) (4 hours)	2 x Online Safety lessons (30 mins)	Creating Media – Video Editing (4 hours)

Year 1 & 2 (4 in one, 5 in one)

Fundamental Skills - 2

Creating media - 3

Programming - 2

Data and Information - 1

Computing systems and networks – 1

Year 3 & 4 (5 in each cycle)

Creating media - 3

Programming - 4

Data and Information - 1

Computing systems and networks – 2

Year 5 & 6 (4 in each cycle)

Creating media - 2

Programming - 3

Data and Information - 1

Computing systems and networks – 2

Request: 8 hours per Computing unit, 1 additional hour for Online Safety lessons (2 per term)

Computing Content to be applied/taught in other areas of the curriculum:

Y1/2 Pictograms – Maths link, could be done online in Maths lessons

Y3/4 Data loggings – Science link in Y3/4

Year 5/6 – Web Page Creation (convert to Sway rather than Google) for any subject (Science, Geography, History or English)