



Information Technology

Word Processing

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.4 use technology purposefully to create, organise, store, manipulate and retrieve digital content	<ul style="list-style-type: none"> • I can confidently type words quickly and correctly on a digital device. • I can use the spacebar to make space and delete to delete letters/words • I can make a new line using enter/return • I can dictate into a digital device more accurately and with punctuation.
2		<ul style="list-style-type: none"> • I can use the space bar only once between words and use touch to navigate to words letter to edit • I can copy and paste images and text • Use caps locks for capital letters. • I can add images alongside text in a word processed document. • I can dictate longer passages into a digital device with accurate punctuation.

Data Handling

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.4 use technology purposefully to create, organise, store, manipulate and retrieve digital content.	<ul style="list-style-type: none"> • I can sort images or text into two or more categories on a digital device. • I can collect data on a topic. • I can create a tally chart and pictogram. • I can record myself explaining what I have done and what it shows me.
2		<ul style="list-style-type: none"> • I can sort digital objects into a range of charts such as Venn diagrams, carroll diagrams

		<p>and bar charts using different apps and software.</p> <ul style="list-style-type: none"> • I can orally record myself explaining what the data shows me. • I can create a branching database using questions
--	--	---

Presentations

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.4 use technology purposefully to create, organise, store, manipulate and retrieve digital content.	<ul style="list-style-type: none"> • I can add labels to an image • I can order images to create a simple storyboard. • I can create a simple spider diagram. • I can sequence a series of pictures to explain my understanding of a topic.
2		<ul style="list-style-type: none"> • I can add voice labels to an image. • I can add a voice recording to a storyboard. • I can add speech bubbles to an image to show what a character thinks. • I can import images to a project from the web and camera roll

Animation

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.4 use technology purposefully to create, organise, store, manipulate and retrieve digital content.	<ul style="list-style-type: none"> • I can add filters and stickers to enhance an animation of a character. • I can create an animation to tell a story with more than one scene. • I can add my own pictures to my story animation.
2		<ul style="list-style-type: none"> • I can create multiple animations of an image and edit these together. • I can create a simple stop motion animation. • I can explain how an animation/flip book works

Video Creation

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.4 use technology purposefully to create, organise, store, manipulate and retrieve digital content.	<ul style="list-style-type: none"> • I can record a film using the camera app. • I can select images and record a voiceover. • I can highlight and zoom into images as I record.
2		<ul style="list-style-type: none"> • I can write and record a script using a teleprompter tool. • I can use tools to add effects to a video. • I can begin to use green screen techniques with support.

Photography and Digital Art

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.4 use technology purposefully to create, organise, store, manipulate and retrieve digital content.	<ul style="list-style-type: none"> • I can edit a photo with simple tools. • I can use a paint/drawing app to create a digital image. • I can begin to cut out an image to layer on another image.
2		<ul style="list-style-type: none"> • I can edit a photo (crop, filters, mark up etc) • I can select and use tools to create digital imagery - controlling the pen and using the fill tool • I can cut images with accuracy to layer on other images.

Sound

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.4 use technology purposefully to create, organise, store, manipulate and retrieve digital content.	<ul style="list-style-type: none"> • I can create a sequence of sounds (instruments, apps/software) • I can explore short and long sounds. • I can record my voice and add different effects.

2		<ul style="list-style-type: none">• Create a musical composition using software• I can record my own sound effects.• I can record my voice over a composition to perform a song.
---	--	--

Computer Science

Computational Thinking

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.1 understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous Instructions	<ul style="list-style-type: none"> • I understand what algorithms are • I can write simple algorithms • I understand the sequence of algorithms is important • I can debug simple algorithms
2	<p>Co2/1.2 create and debug simple programs</p> <p>Co2/1.3 use logical reasoning to predict the behaviour of simple program</p>	<ul style="list-style-type: none"> • I can write algorithms for everyday tasks • I can use logical reasoning to predict the outcome of algorithms • I understand decomposition is breaking objects/processes down • I can debug algorithms

Coding and Programming

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.1 understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous Instructions	<ul style="list-style-type: none"> • I can create a simple program on a digital device e.g. Bee Bot • I can use sequence in programs • I can locate and fix bugs in my program
2	<ul style="list-style-type: none"> • Co2/1.2 create and debug simple programs • Co2/1.3 use logical reasoning to predict the behaviour of simple programs 	<ul style="list-style-type: none"> • I understand programs follow precise instructions • I can create programs using different digital devices E.g. Bee Bot or Scratch Jr on a tablet • I can debug programs of increasing complexity • I can use logical reasoning to predict the outcome of simple programs

Digital Literacy

Self Image and Identity

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.5 recognise common uses of information technology beyond school	<ul style="list-style-type: none"> I can recognise that there may be people online who could make me feel sad, embarrassed or upset. If something happens that makes me feel sad, worried, uncomfortable or frightened I can give examples of when and how to speak to an adult I can trust.
2	Co2/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about material on the internet or other online technologies	<ul style="list-style-type: none"> I can explain how other people's identity online can be different to their identity in real life. I can describe ways in which people might make themselves look different online. I can give examples of issues online that might make me feel sad, worried, uncomfortable or frightened; I can give examples of how I might get help.

Online Relationships

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.5 recognise common uses of information technology beyond school	<ul style="list-style-type: none"> I can use the internet with adult support to communicate with people I know. I can explain why it is important to be considerate and kind to people online.
2	Co2/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about material on the internet or other online technologies	<ul style="list-style-type: none"> I can use the internet to communicate with people I don't know effectively and safely. I can give examples of how I might use technology to communicate with others I don't know effectively and safely.

Online Reputations

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.5 recognise common uses of information technology beyond school	<ul style="list-style-type: none"> • I can recognise that information can stay online and could be copied. • I can describe what information I should not put online without asking a trusted adult first
2	Co2/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about material on the internet or other online technologies	<ul style="list-style-type: none"> • I can explain how information put online about me can last for a long time. • I know who to talk to if I think someone has made a mistake about putting something online.

Online Bullying

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.5 recognise common uses of information technology beyond school	<ul style="list-style-type: none"> • I can describe how to behave online in ways that do not upset others and can give examples.
2	Co2/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about material on the internet or other online technologies	<ul style="list-style-type: none"> • I can give examples of bullying behaviour and how it could look online. • I understand how bullying can make someone feel. • I can talk about how someone can/would get help about being bullied online or offline.

Managing Online Information

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.5 recognise common uses of information technology beyond school	<ul style="list-style-type: none"> I can use the internet to find things out. I can use simple keywords in search engines I can describe and demonstrate how to get help from a trusted adult or helpline if I find content that makes me feel sad, uncomfortable worried or frightened.
2	Co2/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about material on the internet or other online technologies	<ul style="list-style-type: none"> I can use keywords in search engines. I can demonstrate how to navigate a simple webpage to get to information I need (e.g. home, forward, back buttons; links, tabs and sections). I can explain what voice activated searching is and how it might be used (e.g. Alexa, Google Now, Siri). I can explain the difference between things that are imaginary, 'made up' or 'make believe' and things that are 'true' or 'real'. I can explain why some information I find online may not be true.

Health, Wellbeing and Lifestyle

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.5 recognise common uses of information technology beyond school	<ul style="list-style-type: none"> I can explain rules to keep us safe when we are using technology both in and beyond the home. I can give examples of some of these rules.
2	Co2/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about material on the internet or other online technologies	<ul style="list-style-type: none"> I can explain simple guidance for using technology in different environments and settings. I can say how those rules/guides can help me

Privacy and Security

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.5 recognise common uses of information technology beyond school Co2/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about material on the internet or other online technologies	<ul style="list-style-type: none"> • I can recognise more detailed examples of information that is personal to me (e.g. where I live, my family's names, where I go to school). • I can explain why I should always ask a trusted adult before I share any information about myself online. • I can explain how passwords can be used to protect information and devices.
2		<ul style="list-style-type: none"> • I can describe why other people's work belongs to them. • I can recognise that content on the internet may belong to other people.

Copyright and Ownership

Year Group	National Curriculum Objective	Skills/Knowledge
1	Co2/1.5 recognise common uses of information technology beyond school Co2/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about material on the internet or other online technologies	<ul style="list-style-type: none"> • I can explain why the work I create using technology belongs to me. • I can say why it belongs to me (e.g. 'it is my idea' or 'I designed it'). • I can save my work so that others know it belongs to me (e.g. filename, name on content).
2		<ul style="list-style-type: none"> • I can describe why other people's work belongs to them. • I can recognise that content on the internet may belong to other people.