

Reception ICT Yearly Objectives Overview

ICT Objective	Where taught in the curriculum		
	Subject	Topic	Lesson
Mandatory Skills			
I can do the basics with technology.			
I can go online.			
I can use a camera.			
Computer Science			
I can explain an algorithm.			
I can explain sequencing.			
I can give instructions to a programmable toy.			
Information Technology			
I can select and use technology for particular purposes			
Digital Literacy			
I can discuss the use of technology in the world around me.			
I understand that people can talk to each other (communication) online.			
I can use a search engine.			
I can discuss the rules for staying safe online.			
I know online content is made and belongs to someone.			

Year 1 ICT Yearly Objectives Overview

ICT Objective	Where taught in the curriculum		
	Subject	Topic	Lesson
Mandatory Skills			
I can do the basics with technology.			
I can take a good quality photograph and video on an iPad/digital camera.			
Computer Science			
I can follow a simple algorithm and create a simple sequence algorithm using symbols that solve a problem.			
I can create algorithms that can be turned into a program using a robot or digital device.			
can independently debug simple sequence errors in a program.			
I can use logical reasoning to predict the outcome of simple programs.			
Information Technology			
I can use technology to create and present my ideas.			
I can organise and store my digital work.			
I can collect and sort data.			
Digital Literacy			
I can recognise the ways we use technology in our classroom, my home and community.			
I can use a search engine.			
I understand something online may upset and know where to find help if anything does,			
I can communicate politely via the internet.			
I understand that once something is posted you lose control of it.			
I can describe how to behave online in ways that do not upset others and can give examples.			
I know the rules of using technology at home or in school.			
I can explain what personal information is and give examples of it.			
I am aware that content online is owned by the person that created it.			

Year 2 ICT Yearly Objectives Overview

ICT Objective	Where taught in the curriculum		
	Subject	Topic	Lesson
Mandatory Skills			
I can save, share and retrieve my digital work.			
I can use technology to organise and present my ideas.			
Computer Science			
I can plan out an algorithm with a sequence of commands to carry out specific tasks.			
I can identify 'bugs' in computer programs and use the term debug in context.			
I can create a simple repeat loop.			
I can create a simple game program.			
I can predict the outcome of a sequence of blocks in Scratch.			
Information Technology			
I can use design and formatting to enhance my digital work.			
I can create with technology. E.g. Video, animation, 3D			
I can collect and record data purposefully.			
Digital Literacy			
I can give examples of how technology is used to communicate beyond school.			
I understand that somethings online may upset me and that I cannot trust everyone online. (Self Image)			
I can use online services to communicate safely. (Online Relationships)			
I understand that once something it posted you lose control if it and know how to get help if I need to. (Online Reputation)			
I can give examples of online bullying behaviour, I understand the impact it may have and I know where to go for support. (Online Bullying)			
I can use a search engine and I am aware that not everything I read online is true. (Online Bullying)			
I know the rules of using technology at home or in school. (Health well being)			
I can explain what personal information is and understand the need for passwords to protect it. (Privacy and Security)			
I am aware that content online is owned by the person that created it. (Copyright)			

Year 3 ICT Yearly Objectives Overview

ICT Objective	Where taught in the curriculum		
	Subject	Topic	Lesson
Mandatory Skills			
I can troubleshoot when something doesn't appear to be working with my device.			
I can discuss different types of digital content and file types.			
Computer Science			
I can plan, create and debug programs.			
I can use decomposition to help me solve computing problems.			
I can use sequence, selection, repetition and variables in programs.			
I can work with various forms of input and output.			
I can use logical reasoning to predict and correct errors in algorithms and programs.			
I can explain how the internet works.			
I can explain how a search engine works.			
Information Technology			
I can improve the quality and presentation of my work			
I can create with technology. E.g. Video, animation, 3D			
I can collect, analyse, evaluate and present data and information.			
I can use advanced search tools.			
Digital Literacy			
I know how to use the internet.			
I can analyse information and make accurate searches.			
I understand the need for copyright and the consequences of ignoring it.			
I am aware of what I should be sharing online and where to go for help if I need it.			
I understand that I cannot trust everyone I talk to online, that I should be a good digital citizen and where to go for help if something upsets me online.			
I can explain what bullying is and know where to go for help.			
I understand the impact technology can have on my health, well being and lifestyle.			
I know who I should be sharing information with and how to keep my data secure.			
I understand the term identity and I can take appropriate measures to protect my own online identity.			

Year 4 ICT Yearly Objectives Overview

ICT Objective	Where taught in the curriculum		
	Subject	Topic	Lesson
Mandatory Skills			
I can label the different types of input connections on devices.			
I can explain common file types.			
Computer Science			
I can design an algorithm to simulate a real-life situation.			
I can solve an open-ended problem by breaking it up into smaller parts.			
I can design and write a program for a given purpose including specific programming features.			
I can test existing programs to see how they could be improved.			
I can understand the different methods of communication using the internet.			
Information Technology			
I can improve the quality and presentation of my work using editing and formatting techniques.			
I can create with technology. E.g. Video, animation, 3D			
I can use a search engine and I am aware that not everything I read online is correct. (Online Bullying)			
Digital Literacy			
I can collaborate online to create digital content.			
I can evaluate information presented to me to make informed choices about what is Fake News.			
I can describe strategies for safe and fun experiences in a range of online social environments and I'm respectful to others online. (Online Relationships)			
I understand that people may have a different online identity to that in real life and am able to interact with others. (Self Image)			
I am aware others can find information out about me by searching online. (Online Reputation)			
I know which technologies are used for online bullying and I am considerate of others when posting myself. (Online Bullying)			
I understand the impact technology can have on my health, well being and lifestyle. (Health well being)			
I am aware that some people want to access my data and can take appropriate measures to ensure this doesn't happen. (Privacy and Security)			
I understand the need for copyright and the consequences of ignoring it. (Copyright)			

Year 5 ICT Yearly Objectives Overview

ICT Objective	Where taught in the curriculum		
	Subject	Topic	Lesson
Mandatory Skills			
I can make a QR codes that links to my own work.			
I can film and produce a short video.			
Computer Science			
I can decompose a problem, design an algorithm and use this to write a program.			
I can design and write a program linked to physical systems and sensors.			
I can use variables, conditional statements, procedures & repeat commands to improve programs.			
I can use logical reasoning to detect & debug a program.			
I can explore networks and internet traffic.			
I can translate binary numbers to decimal.			
I can create a basic web page using HTML.			
Information Technology			
I can record and produce a podcast / audio clips.			
I can use unfamiliar technology to create content.			
I can improve the quality and presentation of my work.			
I can use a spreadsheet to collect and record data.			
I can use a search engine and I am aware that not everything I read online is correct.			
Digital Literacy			
I can access school email and can send emails to classmates and teacher.			
I can create a subject specific vlog and understand the potential risks of sharing content online.			
I can collaborate to develop & improve work.			
I can search for someone online and create a summary report about that person.			
I understand the need for copyright and the consequences of ignoring it.			
I am aware that there are people online who may try to upset me and my group of friends. I make a positive contribution to my online community.			
I understand the impact online bullying can have and I know what to do if I am the victim or I witness online bullying.			
I understand the impact technology can have on my health, well being and lifestyle.			
I can create a strong password and understand the real cost of some apps.			
I am aware that my identity can be copied by other users and take appropriate measure to minimise the risk of this happening.			

Year 6 ICT Yearly Objectives Overview

ICT Objective	Where taught in the curriculum		
	Subject	Topic	Lesson
Mandatory Skills			
I can collaborate to create digital content.			
I can create a consistent design for my presentation, and present to others.			
Computer Science			
I can design, plan & create a complex programs.			
I can test, debug and modify a program to improve it.			
I can write a program using a text based programming language.			
I can use logical reasoning to detect and correct errors in algorithms and programs.			
I understand how computer networks work, including the internet.			
I can talk about the way search results are selected and ranked.			
Information Technology			
I can create and combine a range of media in order to produce digital content.			
I can improve the quality and presentation of my work using editing and formatting techniques.			
I can create a digital storyboard to plan a project or investigation.			
I can use a search engine and I am aware that not everything I read online is correct and that other people may be attempting to influence my opinions.			
Digital Literacy			
I can explain how to protect my computer or device from harm on the Internet.			
I understand the need for copyright and the consequences of ignoring it.			
I support my friends to protect themselves and make good choices online, including reporting concerns to an adult.			
I am aware of the ways in which the media can shape our ideas about gender.			
I am aware that if I need help I keep asking for it until I get help.			
I am aware of the need for positive online relationships and I am mindful of others feelings at all times			
I understand I need to create a positive online reputation.			
I know how to capture evidence of online bullying and how to report it.			
I know how to keep my data private and secure.			
I understand the impact technology can have on my health, well being and lifestyle.			

