

Trannack School ICT Curriculum

Range of software (online and network based) will include:

Scratch-	Programming software
Code.org-	Website to help code and create algorithms
Sketchup-	3D CAD
Hornil Style pic-	Vector/ bmp graphics program
LYML-	Digital audio workstation
Audacity-	Audio wave editor
Google docs-	Online collaboration creation
Google maps -	Digital world atlas

Reception/ Year 1 (Praa Sands Class)

Autumn	Spring	Summer
<p>Through work related to their topic:</p> <p>Pupils will be taught to understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions</p> <p>Pupils will create and debug simple programs.</p>	<p>Through work related to their topic:</p> <p>Pupils will be taught to use technology purposefully to create, organise, store, manipulate and retrieve digital content. They will learn to recognise common uses of information technology beyond school.</p>	<p>Through work related to their topic:</p> <p>Pupils will be taught to use logical reasoning to predict the behaviour of simple programs.</p>

Yr 2/3 (Portreath Class)

Autumn	Spring	Summer
<p>Through work related to their topic:</p> <p>Pupils will be taught how to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems. They will solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs.</p>	<p>Through work related to their topic:</p> <p>Pupils will be taught how to use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select.</p> <p>Pupils will use and combine a variety of software on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p>	<p>Through work related to their topic:</p> <p>Pupils will be taught how to work with variables and various forms of input and output. They will learn how to use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p>

Yr 4/5/6 (Godrevy Class)

Autumn	Spring	Summer
<p>Through work related to their topic:</p> <p>Pupils will be taught how to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems. They will solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs.</p>	<p>Through work related to their topic:</p> <p>Pupils will be taught how to use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select.</p> <p>Pupils will use and combine a variety of software on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p>	<p>Through work related to their topic:</p> <p>Pupils will be taught how to work with variables and various forms of input and output. They will learn how to use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p>

N.B. Running through the year, pupils will also be taught to use technology safely and respectfully, keeping personal information private. They will learn how to identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.