



Our Lady's R.C. Primary School
Computing

Topic	Information Technology around us	Digital Photography	Robot Algorithms
Objectives	<p>To recognise the uses and features of information technology</p> <p>To identify information technology in the home</p> <p>To identify information technology beyond school</p> <p>To explain how information technology benefits us</p> <p>To show how to use information technology safely</p> <p>To recognise that choices are made when using information technology</p>	<p>To know what devices can be used to take photographs</p> <p>To use a digital device to take a photograph</p> <p>To describe what makes a good photograph</p> <p>To decide how photographs can be improved</p> <p>To use tools to change an image</p> <p>To recognise that images can be changed</p>	<p>To describe a series of instructions as a sequence</p> <p>To explain what happens when we change the order of instructions</p> <p>To use logical reasoning to predict the outcome of a program (series of commands)</p> <p>To explain that programming projects can have code and artwork</p> <p>To design an algorithm</p> <p>To create and debug a program that I have written</p>
Vocabulary	<p>Information technology</p> <p>Information technology (IT), computer, barcode, scanner/scan</p>	<p>Device, camera, photograph, capture, image, digital</p> <p>Landscape, portrait, horizontal, vertical, field of view, narrow, wide, format</p> <p>Framing, focal point, subject matter, field of view, format, compose</p> <p>Natural lighting, artificial lighting, flash, focus, background, foreground</p> <p>Editing, tools, colour, filter, images, Pixlr, framing, lighting, focus, filter, changed, real</p>	<p>Sequence, order, algorithm, commands, prediction, program</p> <p>Artwork, design, route, mat</p> <p>Algorithm, Debugging</p>



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Topic	Pictograms	Making Music	An Introduction to Quizzes
Objectives	To recognise that we can count and compare objects using tally charts To recognise that objects can be represented as pictures To create a pictogram To select objects by attribute and make comparisons To recognise that people can be described by attributes To explain that we can present information using a computer	To say how music can make us feel To identify that there are patterns in music To describe how music can be used in different ways To show how music is made from a series of notes To create music for a purpose To review and refine our computer work	To explain that a sequence of commands has a start To explain that a sequence of commands has an outcome To create a program using a given design To change a given design To create a program using my own design To decide how my project can be improved
Vocabulary	More than, less than, most, least, organise, data, object, tally chart, votes, total Pictogram, enter, compare, more than, less than, objects, count, data, explain, more, less, most, least, more common, least common Attribute, group, same, different, object, most popular, least popular, conclusion, block diagram, common, sharing	Music, planets, Mars, Venus, war, peace, quiet, loud, feelings, emotions Pattern, rhythm, pulse Neptune, pitch, tempo, rhythm, notes, instrument, tempo Create, emotion, pitch, pulse/beat Open, edit	Sequence, command, program, run, program, start, outcome, predict, blocks Sprite, algorithm, design, sequence, predict Actions, project, modify, change, build, match Compare, debug, features, evaluate



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