



ICT - Year 7



Autumn (Michaelmas) Term

What we are learning...	Consolidation	Deepen & Challenge
Scratch programming - code for movement and animation	Use the scratch tutorials on the scratch site to consolidate your skills: Click here Click on create in scratch, and then on tutorials. Try: Add a sprite Add a backdrop Change size Glide around Record a song	Explore the tutorials on the Code Club site - these are the 'getting started' tutorials: click here
Scratch programming - interaction and variables	Scratch Tutorial Try: Make a clicker game Pong game	Explore the tutorials on the Code Club site - these are the 'module 2' tutorials: click here
Scratch programming - game structure eg screens, timer, retrieving values from variables within a program	Practice using a timer by making this game	Click here to learn how to use lists in Scratch
Scratch programming - developing your own game to a given brief, receiving and giving feedback	Develop your own game independently at home to your own brief. Choose -a theme (eg space) -an audience (eg kids age 8-10) Try to theme your game with graphics and make sure the instructions are suitable for your age range.	Choose 3 games on the scratch website. Play the games and then read the comments people have added. Think about: -are the comments helpful to the person who made the game? -are the comments positive/polite? -is anyone using comments in the wrong way?

Spring (Lent) Term

What we are learning...	Consolidation	Deepen & Challenge
Video promo - what makes a promo?	Watch some school promo videos on YouTube -eg Promo video 1	Work on a project independently for this section over the unit.



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[promo video 2](#)
Think about:
-do they sell the schools well?
-are they well edited?
-have they used a range of camera shots?
-what impression does it give of the school?

The first step is to:
Find some video editing software on your phone or a tablet device eg:
iMovie
Adobe Rush
Invideo editing app

Come up with an idea for a short film you can make at home - eg making an advert for a new chocolate bar (or any product of your choice!)
You could team up with a friend to complete this project.

See next section for next steps....

Video promo - sourcing assets and storyboarding

Explore the following copyright free image site:
<https://pixabay.com/>
Do you think this is a good site to use for images for film/presentations?

Practice using google advanced search to find copyright free images - this video reminds you how to do this:
[video about google copyright images](#)

This activity follows on from the previous deepen and challenge task:

Record your video clips for your advert - ask friends and family to help you by acting for you!

Go on to copyright free sites such as <https://pixabay.com/> for images, OR use google advanced search for copyright free images.

See next section for next steps....

Video promo - editing skills

Watch a film trailer on YouTube. Eg [Ms Marvel](#)
Think about/identify:
-how many video clips were filmed (can you count?!)
-what transitions are used between clips?

This activity follows on from the previous deepen and challenge task:

Import your assets into your editing software - eg on your phone/tablet. Work on editing the clips together - crop/transitions/effects.



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	<p>-what kind of effects are being used - eg computer generated graphics?</p>	<p>See next section for next steps....</p>
<p>Video promo - exporting video files and reviewing</p>	<p>Choose two film trailer videos on YouTube to watch. Rate the films out of 5 for these categories:</p> <ul style="list-style-type: none"> -Quality of shots/footage -Editing -Length of trailer - too short/long? -Use of sound <p>(Add your own criteria if you want!)</p> <p>Which trailer gets the best score?</p>	<p>This activity follows on from the previous deepen and challenge task:</p> <p>Export the finished advert and share it to your Teams page - let your teacher know that you've done this project!</p>

Summer (Trinity) Term

What we are learning...	Consolidation	Deepen & Challenge
<p>Microbits - learning the basic commands, inputs and outputs</p>	<p>Microbit Tutorials</p> <ul style="list-style-type: none"> - Smiley buttons tutorial - Dice tutorial <p>Use Micro:bit to create and preview projects.</p>	<p>Click Microbit Site</p> <ul style="list-style-type: none"> -animated animals tutorial -graphical dice tutorial <p>Use microbit code to create and preview projects.</p>
<p>Microbits - more advanced programmes including use of variables, sensors, selection and iteration</p>	<p>Microbit Activity Picker</p> <p>Make a Thermometer</p> <p>Max/min thermometer - combines sensors and variables</p>	<p>Simple Tilt Alarm</p> <p>Clap Lights</p> <p>Create and preview in here</p>
<p>Animation & vector graphics - intro - frames, keyframes, keyframe and stop motion</p>	<p>Watch this video to help you give various hints</p> <p>How to Make Stop Motion Videos - YouTube</p>	<p>Click here to view a tutorial how to make a stop motion animation.</p> <p>How to Film Lego Stop Motion</p> <p>Download the stop motion application.</p>
<p>Animation & vector graphics - vector drawing</p>	<p>Make your own vectors to be included in animation software</p> <p>Download Inkscape 0.92.4 Inkscape</p>	<p>Import your vectors into this app and animate them</p> <p>Online Vector Animation Software - No Coding SVGator</p>