

Year 2

Let's Fix IT – Mini Project

Creating a program using SCRATCH.

Usually this activity would take 5/6 lessons to complete.

Key skills:

- I can use technology safely and responsibly.
- I can report concerns I have about internet content to a grown up.
- I can use logical reasoning to predict the behaviour of simple programs.

Lesson	Activity/ Link
PREP/INTRO	<ul style="list-style-type: none">• You will need access to 'SCRATCH' during this mini project.• <i>Scratch is a programming language and online community where you can create your own interactive stories, games and animations. It is freely available to download and install on either Mac OS X and Windows operating systems. A web-based version will also run through your browser so it can be accessed without the need to install it on your computer.</i>• Scratch Website: http://scratch.mit.edu• Download: http://scratch.mit.edu/scratch_1.4/• A 'SCRATCH LESSON GUIDE' AND VIDEOS TO SUPPORT THIS PROJECT CAN BE FOUND ON THE SCHOOL WEBSITE UNDER 'MINI COMPUTING PROJECT'.• PRINT OUT 'SCRATCH LESSON GUIDE' FOR REFERENCE, IF POSSIBLE.
1	<ul style="list-style-type: none">• Join 'SCRATCH' by completing the username and password fields with a grown up.• Once you have registered you can start by designing your own background and sprite.• Using some paper and coloured pens/ pencils draw a scene that you would like your Scratch project to take place in, this could be anywhere e.g. a beach, desert, park etc. Draw a character on your scene (this will be your sprite in Scratch).• Write a label next to your scene saying 'stage' and a label next to your character saying 'sprite', this is what they will be known as in SCRATCH.
2	<ul style="list-style-type: none">• Open SCRATCH.• Watch video 'Ref 18 Activity 2a' for guidance on how to create your stage. Videos have no sound. Use your design to help you create your stage in SCRATCH.• Watch video 'Ref 18 Activity 2b' for guidance on how to create your sprite. Use your design to help you create your sprite in SCRATCH.• Save your project (select 'File', then 'Save Now').
3	<ul style="list-style-type: none">• Log in to your Scratch account.• Open your SCRATCH project by selecting 'My Stuff' and selecting your project.• Watch video 'Ref 18 Activity 3' for guidance on how to move your sprite.• Program your sprite to move.• Experiment with different motion code blocks (blue) and see what you can create.• Remember to save your work!
4	<ul style="list-style-type: none">• Open your Scratch project.• Watch video 'Ref 18 Activity 4' for guidance on how to program your sprite to talk and make a sound.• Program your sprite to talk and make a sound.• Remember to save your work!
5	<ul style="list-style-type: none">• Open your Scratch project.• Watch video 'Ref 18 Activity 5' for guidance on how to program your sprite to interact with another sprite.• Add a new sprite and the correct coding blocks, so the sprites can interact with each other.• Your project is finished-well done!• Remember to save your work!

E-safety rules

- Be kind to others online.
- Don't talk to strangers online.
- Keep your personal information safe.
- If you see something you don't like online, tell a grown up straight away.

****PARENTS ****

Please supervise your child whilst they are searching the internet, if your computer/ laptop/ tablet are NOT protected.

Thank you.