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	• You will need access to **'SCRATCH'** during this mini project. • *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.* • **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	• 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	• 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	• 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	• 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	• 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.