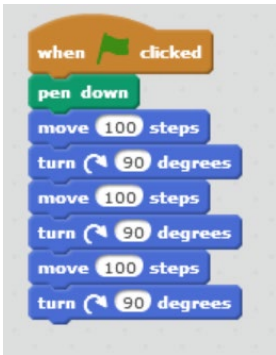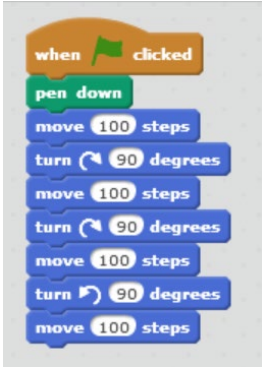# Year 8 Computing: Home Learning Week 11
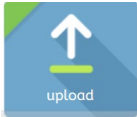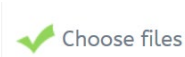
Greetings Year 8!

This week's activity focus is: debugging

Take care, stay alert, stay safe!

Mrs P, in ICT ☺

Task	Description
1	• On your computer, open your internet browser (that's the one you use to search for things on the internet – maybe internet explorer, or google chrome). use this link to read information about Debugging. https://www.bbc.co.uk/bitesize/topics/zkcqn39/articles/ztkx6sg

2	• Open a new Word document.
	• At the top in font size 14, write the title Debugging. Choose a sensible style (that I can read!!)
	• On the next line, change the font size to 12.
	• Answer the following questions, based on the information from the website.
	   a. What are the two types of computing bugs?
	   b. Which one of the bugs is caused by spelling errors?
	   c. Which type of bug caused a computer to stop working in 1947?

3	Have a look at the coding for Scratch. I want to make the cat draw a square, but it doesn't seem to work. Can you see why not? What kind of bug is in the programming? What would I need to do to correct the coding? Where would the correction go? Add a subtitle under question c. on your Word document – "Scratch Debugging" – then answer these questions on your Word document.

4.		Now look at this! It STILL wont draw a square – what have I done wrong now? when 🏳 clicked pen down move 100 steps turn 90 degrees move 100 steps turn 90 degrees move 100 steps turn 90 degrees move 100 steps
5		I give up I'm going to make the cat say "Hello, my name is Scratch Cat" Did I get the coding right? I didn't, did I? What kind of error is it? What could I do in the future so I don't make the same mistake again? Add your answers to the Word document. when 🏳 clicked say Hello, my name is Satch Cut!
6		• When you have finished the project, save your work to your file on the computer. Do this in the same way that you would in school. Save into the place you are saving all your home learning – save it as "Debugging" and add your initials.
7		• When you have saved it, try uploading it to school 360, so that I can see it. • To do this, first sign into school360 – there's an instruction sheet on the home learning page if you don't know how to do this • Now click on **resources.** This is on the main school360 screen. • Then click on **J2E** • Now click on **upload –** it looks like this
8		• Now click on **choose files** - ✓ Choose files This is in the middle of your screen. • When you do this, a menu will come up, like it does when we save the work at school. • Choose the file you wish to upload – it should be the file you saved before called "Debugging *intials*". Then I should be able to have a look at your work.