Year 4 - Summer 2
Programming B

Key vocabulary

Repetition	Carrying out the same action more than once. In code, you can specify how many times a loop or action happens.
Event	Something that has to happen in a program for a routine to be run
Routine	A complete piece of code that performs an action
Count-controlled	A piece of code with a fixed number (count) of repetitions
Loop	Loops repeat different parts of your code. There are different types of loops: infinite loops and count-controlled loops.
Modify	(Or 'mod' or 'modding') change an existing app or code to make it do or look like you want it to.
Inifinite	Goes on forever, without end

Apps/ Software

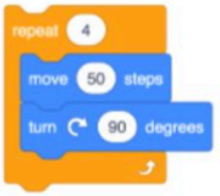
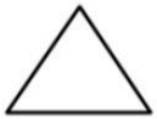
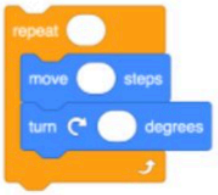
Pyonkee

Code.org

Scratch

Comparing two programming languages
LOGO vs Scratch

Use the Logo code below to help you complete the Scratch code for the same shapes. The first one has been done for you.

Shape	Logo Commands	Scratch blocks
	`repeat 4 [fd 50 rt 90]`	
	`repeat 3 [fd 50 rt 120]`	

The algorithm is the same, but the code is written in a different programming language.

Debugging your Code	**Why it matters:**
	Debugging helps us to review and improve our code. We check it against what we intended the program to do. If it doesn't work we go back and fix any bugs we can find and test it again. Programs can have mathematical or sequencing bugs or errors in the way the code 'sentence' has been