TSS Primary ICT MTP 2021-2022
Year 1 Block 5 – Moving a Robot

Week	Key Targets and Learning Objectives	Key Activities	Key Vocabulary
1	• To explain what a given command will do	• This lesson introduces the learners to floor robots. • Learners will talk about what the buttons might do and then try the buttons out. • Time will be spent linking an outcome to a button press. • Learners will consider the direction command buttons, as well as buttons to clear memory and run programs.	• Forwards • Backwards • Turn • Clear • Go • Commands • Instructions • directions
2	• To combine forwards and backwards commands to make a sequence	• Learners will focus on programming the floor robot to move forwards and backwards. • They will see that the robot moves forwards and backwards a fixed distance. • This highlights the idea that robots follow a clear, fixed command in a precise and repeatable way. • Learners will think about starting the robot from the same place each time. • Using the same start position with fixed commands will allow learners to predict what a program will do.	• Forwards • Backwards • commands
3	• To combine four direction commands to make sequences	• Learners will use left and right turn commands along with forwards and backwards commands. • Doing this will allow learners to develop slightly more complex programs. • Learners will create their programs in this lesson through trial and error before moving on to planning their programs out in the next lesson. • During the last activity, the learners will predict where given programs will move the robot to. • Learners make their predictions by stepping through the commands and matching the program steps to movements.	• Left • Right • Turn • commands
4	• To plan a simple program	• Learners will decide what their program will do. • They will then create their program and test it on the robot. • Where needed, learners will also debug their programs.	• Plan • Algorithm • program
5	• To drag and snap blocks to create a simple programming sequence	• Code.org; Course A.	• Snap • Debug • re-set