

**Summary of Netlogo Commands Useful for Lab 1
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clear-all	Clears the Netlogo world. Removes turtles and sets the color of the surface to black.
create-turtles #	Creates turtles. The # is where you put in the number of turtles you want to create. 1 for 1 turtle and 100 for 100 turtles. Example create-turtles 10
set color <i>colorname</i>	Sets the color the pen color of the turtle to the <i>colorname</i> . The <i>colorname</i> can be green, blue, red....etc. Example set color red
setxy ##	Sets the x,y coordinates of the turtle on the Netlogo plane. The center is 0 0 So if you wanted to move the turtle to a position in the upper right part of the Netlogo plane you use the command setxy 10 10
set heading #	Sets the direction that the turtle is facing in # degrees. 0 is up, 90 is to the right, 180 is down, 270 is to the left and 360 is up again. Example set heading 45
right #	Turns the turtle # degrees to the right from its current heading. Example right 90
left #	Turns the turtle # degrees to the left from its current heading. Example left 90
	Moves the turtle forward # steps. Example forward 5
pen-down	Puts the turtle's pen down and begins to draw.
pen-up	Lifts the turtle's pen up and stops drawing.
ask <i>breed</i> [<i>commands</i>]	Asks the turtle agent to do one or more commands (like right 5 and forward 10). You can use more than one type of agent when you program. In Netlogo, each different agent is called a <i>breed</i> . The commands are listed inside square brackets. A Since we have one breed in our program, turtles, the ask command to make the turtle turn right 90° and move forward 5 steps would look like ask turtles [right 90 forward 5]
set-default-shape turtles " <i>shapename</i> "	Sets the shape that the turtle appears in the Netlogo world. The default shape is an arrow head. In Netlogo there are many shapes to choose from. Each shape has a <i>shapename</i> . Some examples are turtle, car, happy face, flower, etc. If you wanted you turtle agent to look like a turtle you would use the command set-default-shape turtles "turtle"

Blue means that you must substitute something for that word!

