Useful NetLogo Commands and Parameters
http://ccl.northwestern.edu/netlogo/

Turtles
Movement:
home
fd #
bk #
jump # (no pen trail)
move-to agent (move to another agent’s location)

Defining Breeds:
breed [plural] [singular]

Creating/Killing Turtles
create-turtles # [commands]
create-<breeds> # [commands]
sprout # [commands] (copy parent)
sprout-<breeds> # [commands]
hatch # [commands] (new color/dir)
hatch-<breeds> # [commands]
die

Referring to Agents
self
myself (refers to calling agent)
turtles-at dx dy (dx/dy are “delta” values – relative to agent)
<breeds>-at dx dy
patch-at dx dy
turtle #
<breed> #
neighbors, neighbors4

Agent Attributes
distance agent (distance to agent)
distance xy x y (distance to point)
pen-mode (up, down, or erase)
pen-up
pen-down
pen-erase

Defining Variables
globals [var ...]
turtles-own [var ...]
<breeds>-own [var ...]
patches-own [var ...]
set var value
let var value (create local variable)

Program Control
if (condition) [cmds]
ifelse (condition) [cmds] [cmds]
foreach list [cmds]
while (reporter) [cmds]
repeat # [cmds]
wait # (wait # seconds)
to name (vars) ... end
to-report (vars) ... end (use “report” to report a value)
stop (exit the containing procedure)

Input/Output
beep
print value (value, carriage return)
show value (current agent, value, CR)
type value (value, no CR)
write value (“value”, no CR)
output-<print,show,type,write>
(output into main display area)
export-<interface,output,view,plot,all-plots,world> (output information to a file)
user-file / user-new-file (ask user to select or create a new file name)
user-<input,message,yes-or-no?>
(popup dialog box with I/O)

Other Useful Things in NetLogo Dict.
Perspective (set display perspective to one agent’s viewpoint)
Lists (construct and modify lists of items)
Links (construct and display connections between agents)
Strings (create and manipulate)
Movies (capture animations)