



### Sparki Explorer Loop Procedure Flow

#### High Level Overview:

Step 1: Read the IR Remote receiver and alter the value of nextMissionState if one of the command buttons has been pressed.

Step 2: Check to see if the motors are running from a previous move command, if so, delay and exit the loop, if not continue.

Step 3: execute the steps for the nextMissionState and the nextOpState. These generally cycle from pickDirection -> testDirection -> rotate -> travel