

# ADST 4 to 7 Exploratory Bin (Teacher resource ideas)

## Parallax Scribbler 3 Robot

### FEATURES

- Eight pre-programmed play modes
- Built in sensors for line following, light seeking
- Object avoidance, and stall sensing
- DC motors with encoders allow for detailed scribing,
- Maze navigation & distance control
- Integrated pen port fits pens up to a standard Sharpie in diameter



### PROGRAMMING OPTIONS

#1

**(Highly recommended to complete first!)**

Start with **GUI software** for PC based computers (WINDOWS)

Download the setup.exe file (version V 2.0d Win 7-8-8.1-10) on a PC windows computer:

[28333-S3-v2.0d-Win7-8-8.1-10-setup.exe](http://28333-S3-v2.0d-Win7-8-8.1-10-setup.exe)

#2 Watch this YouTube video before downloading BlocklyProp software onto a PC WINDOWS Computer.

BETA BlocklyProp Programming

1:09 minutes in length

<https://www.youtube.com/watch?v=5xCu-Eg3HeE>

YouTube videos (S2 & S3 examples listed below.)

**Introduction to scribbler robots.** Use the S2 scribbler robot videos to become familiar with the GUI software which is exactly the same as a S3 scribbler.

7:47 minutes in length

<https://www.youtube.com/watch?v=rc1pNO5qmu8>

### **Observation Deck on the S2 Robot**

51 seconds in length

<https://www.youtube.com/watch?v=vDJzN3Nn9Yo>

### **S2Robot Hokey Pokey**

7:17 minutes in length

<https://www.youtube.com/watch?v=H4vU3YbFZDE>

### **Leonard Tutorials – Scribbler S3 Programming**

5:46 minutes in length

<https://www.youtube.com/watch?v=p6XPYVgTE48>

### **BlocklyProp Programming Environment**

1:21 minutes in length

<https://www.youtube.com/watch?v=tZ2a9edd3VI>

### **BlocklyProp Programming Environment**

35 seconds in length

<https://www.youtube.com/watch?v=CluCUZPy3Mo>