

## Junk Drawer Robotics

### Activity A-Think like a Scientist

1. Look at and observe the items.
2. Sort the object by color and shape
  - a. Ex-blue circles, red rectangle, etc.
3. Fill out the chart and graph for Sorting 1 and graph 1
4. For the second sorting, sort the items how you would like
  - a. Ex-big/little, round/not round, etc
5. Have someone who is not working with you come look at how you sorted them and see if they can tell how they are sorted
6. Count and put each of your new groups on sorting 2 and graph 2.
7. Next sort the parts according to the following:
  - a. The item's use (the function-hold things, provide shelter, move stuff, etc.)
  - b. The item's shape, appearance or what it looks like (the form—the look of the items, colors, shapes, etc.)
8. Share on your page why you sorted things the way you did.