

# Grain Sorter Assembly



## Parts Required

### Electronic Stuff

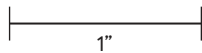
- Arduino Leonardo
- Micro servo (SG90)
- Jumper wires (male to male)

### Paper Stuff

- Printer
- 8.5 x 11" paper (preferably cardstock)
- Tape
- Scissors
- Ruler
- Google-y Eyes (MANDATORY!)

## Printing Tips

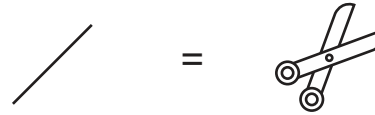
Print at 100% scale.



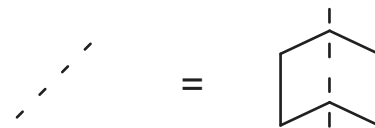
This line should be one inch

## Cutting & Folding

1) Cut solid lines with scissors or craft knife.

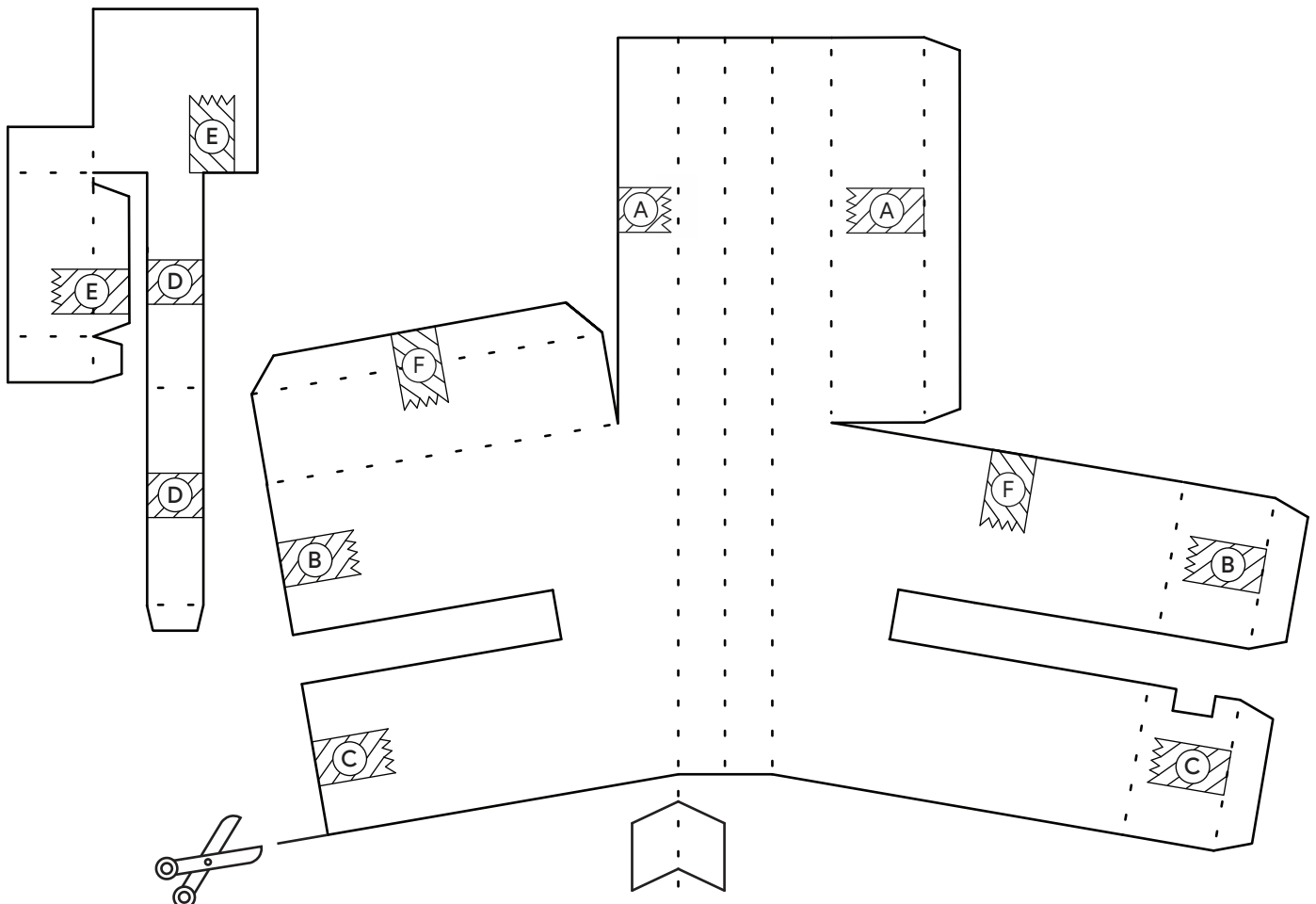
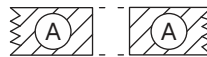


2) Fold on dotted line, using the straight edge of the ruler might make it easier.



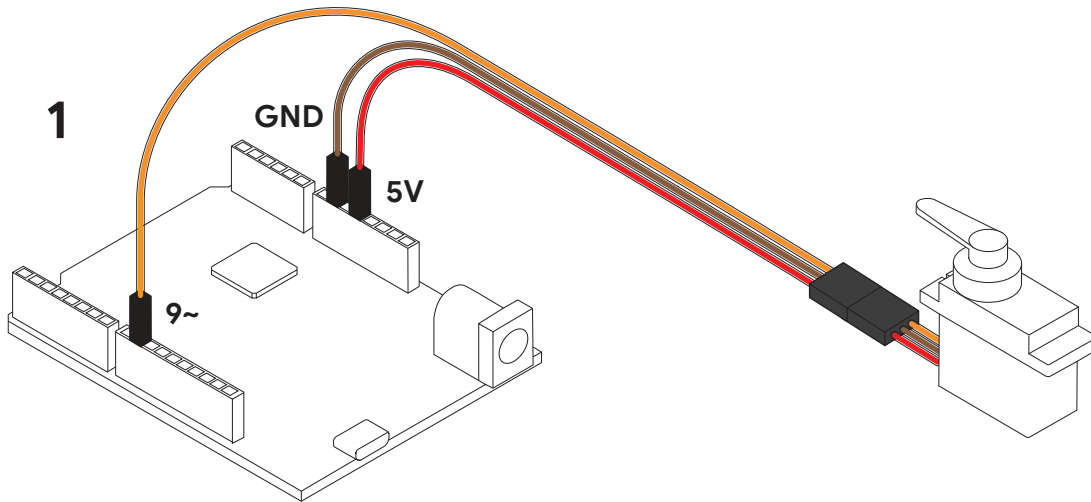
## Stick it Together

Connect each letter with tape. A to A, B to B, and so on.



## Electronics

Connect the arduino to the micro servo using the jumper wires.



## Folding

For step 2 make all of the folds inward except the middle valley fold. After step 3 apply some tape on the shoot to help the cereals slide!

