

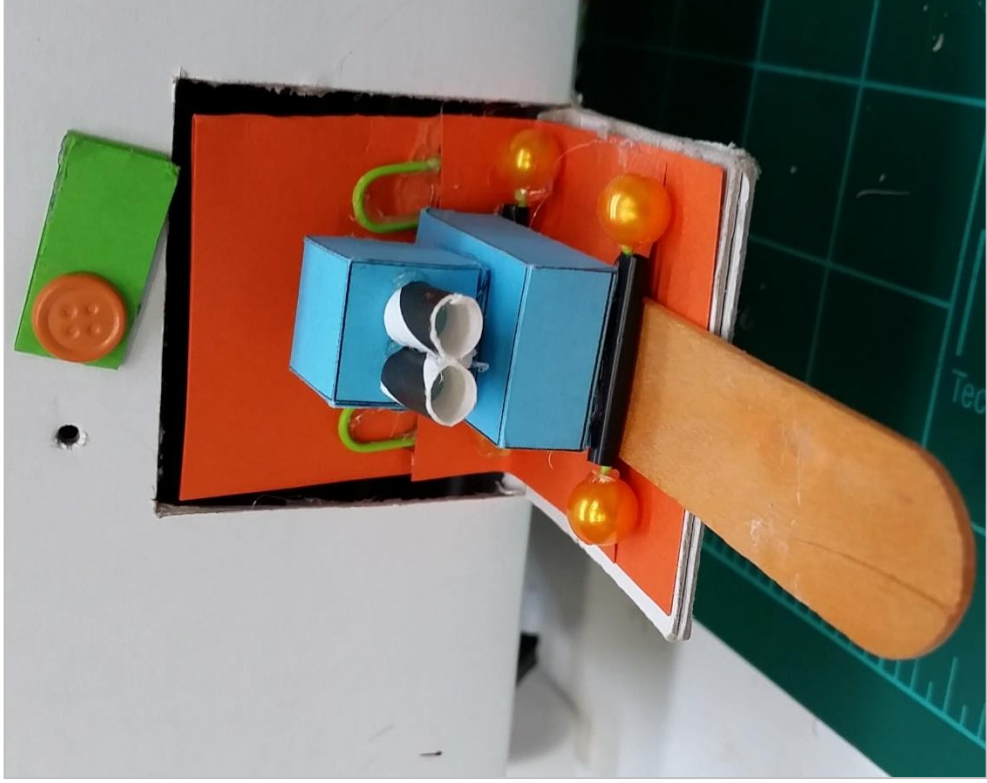
Inspiration Deck: Shoebox Rover Models



Wheel and Axle System: straw bearings, skewer axles, foam core braces and struts, lid wheels



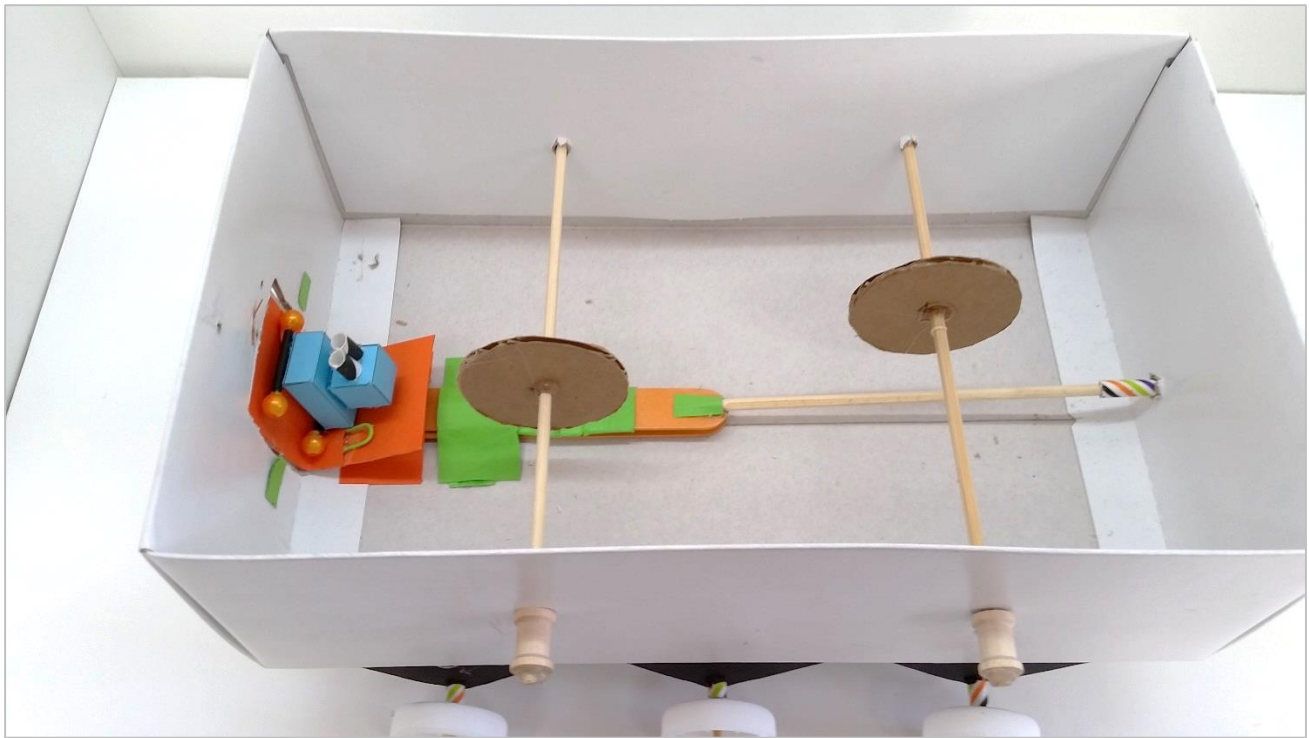
Drill System: glue stick screw and nut, skewer axle, straw bearing, attached to popsicle stick lever arm, connected to wheel and axle mount from plastic cap



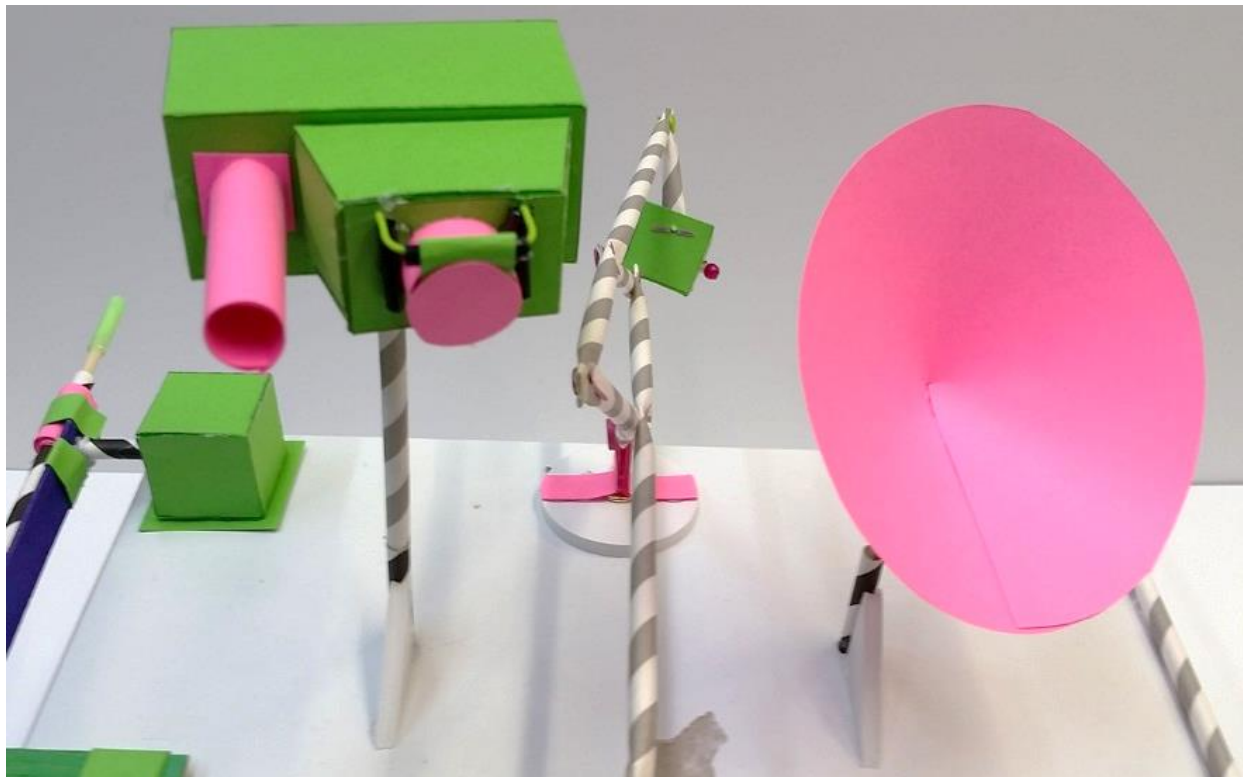
Mini Rover: 3D prism bus and cameras, paperclip axle and bead wheels, deployed on popsicle stick ramp with a skewer lever mechanism through the interior of the bus to push the door open and allow the rover to roll out



Lever Arm System: swivel mount with constructed paper brace, med brad connector, straw lever arms, 3D 1" cube prism adapted for shovel, wheel and axle lid



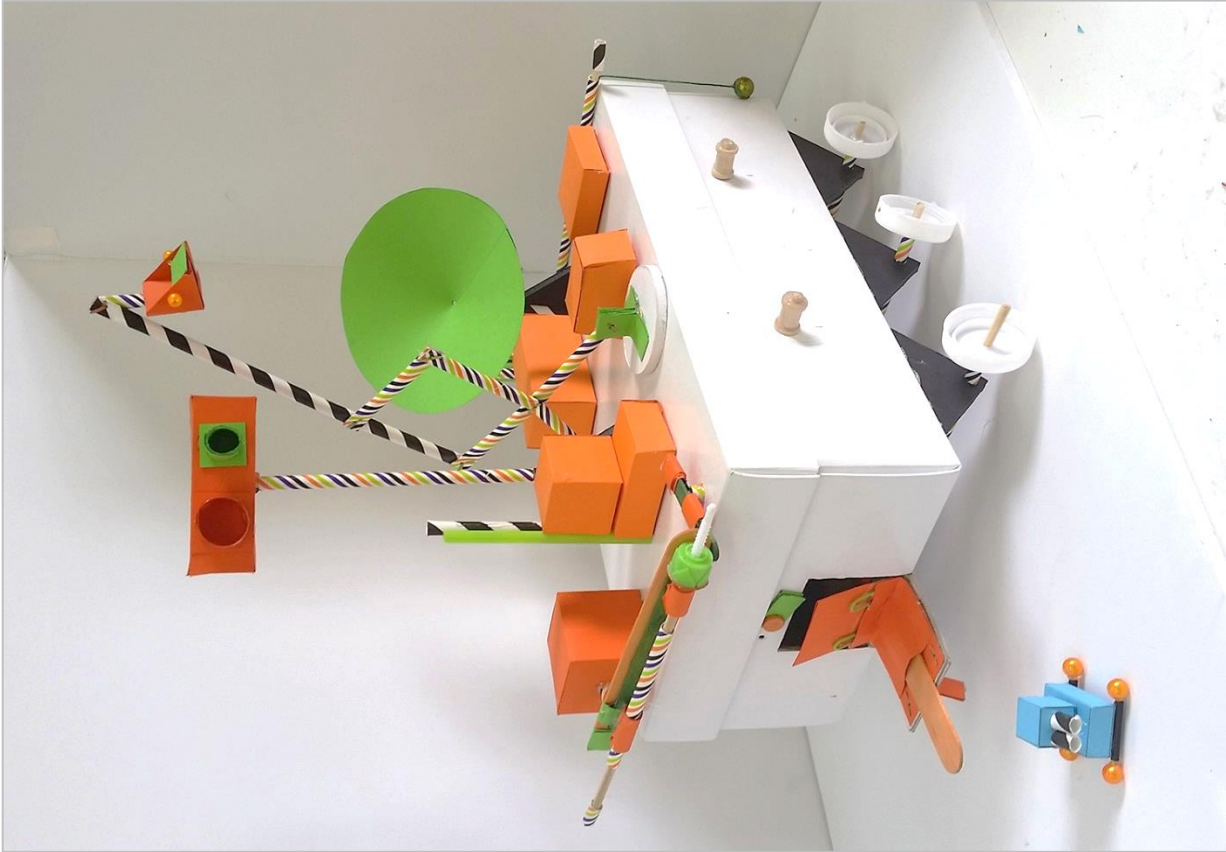
Mini Rover Deployment: skewer through straw bearing attached to popsicle stick, attached to bus trapdoor with lever assembly to create ramp to allow mini rover to roll through door and down ramp



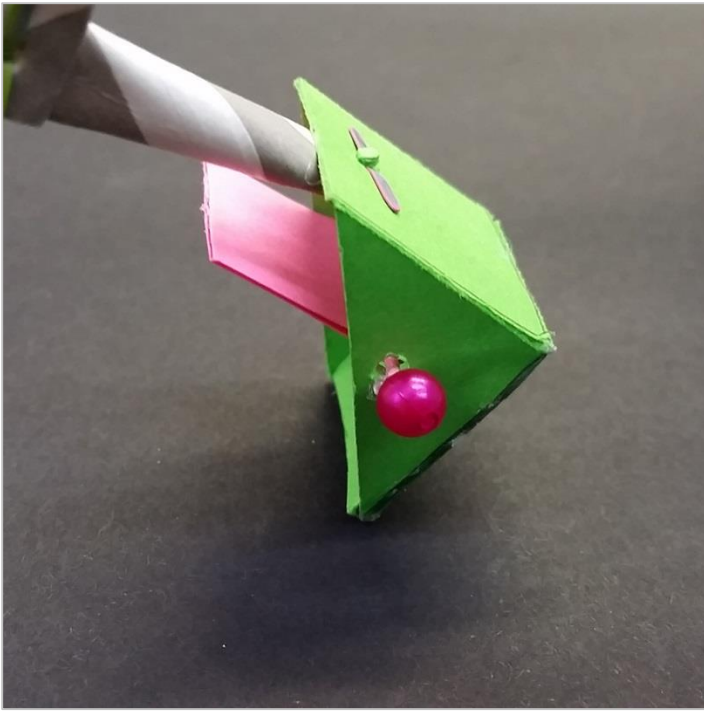
Rover instruments: camera with lenses and lens cap, lever arm on swivel mount, antenna



Swivel Mount: card board disc mounted on bus with office brad, folded and glued paper attachment system holding lever arm with medium brad through all layers



Rover with full instrument payload and mini-rover



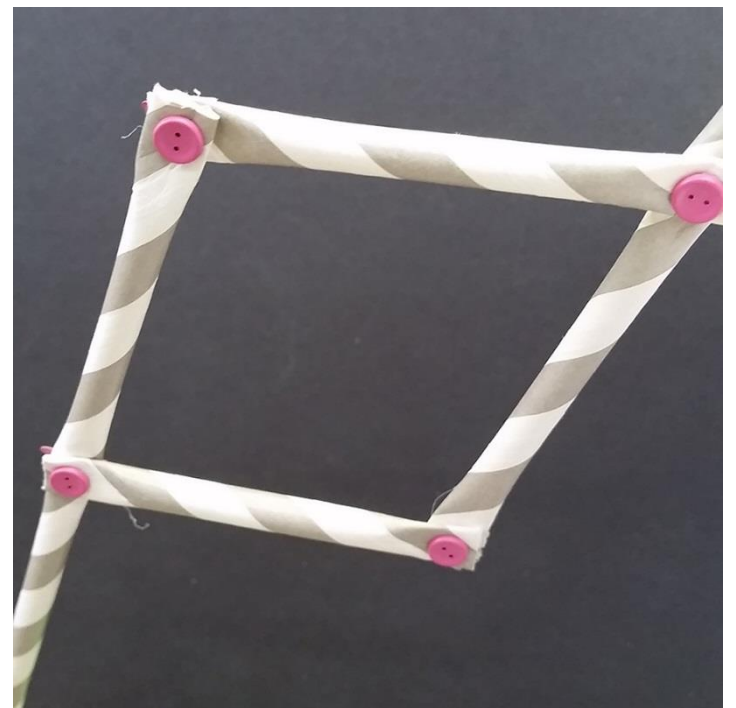
3D prism shovel, with paperclip and bead wheel and axle hinge holding paper scoop cover



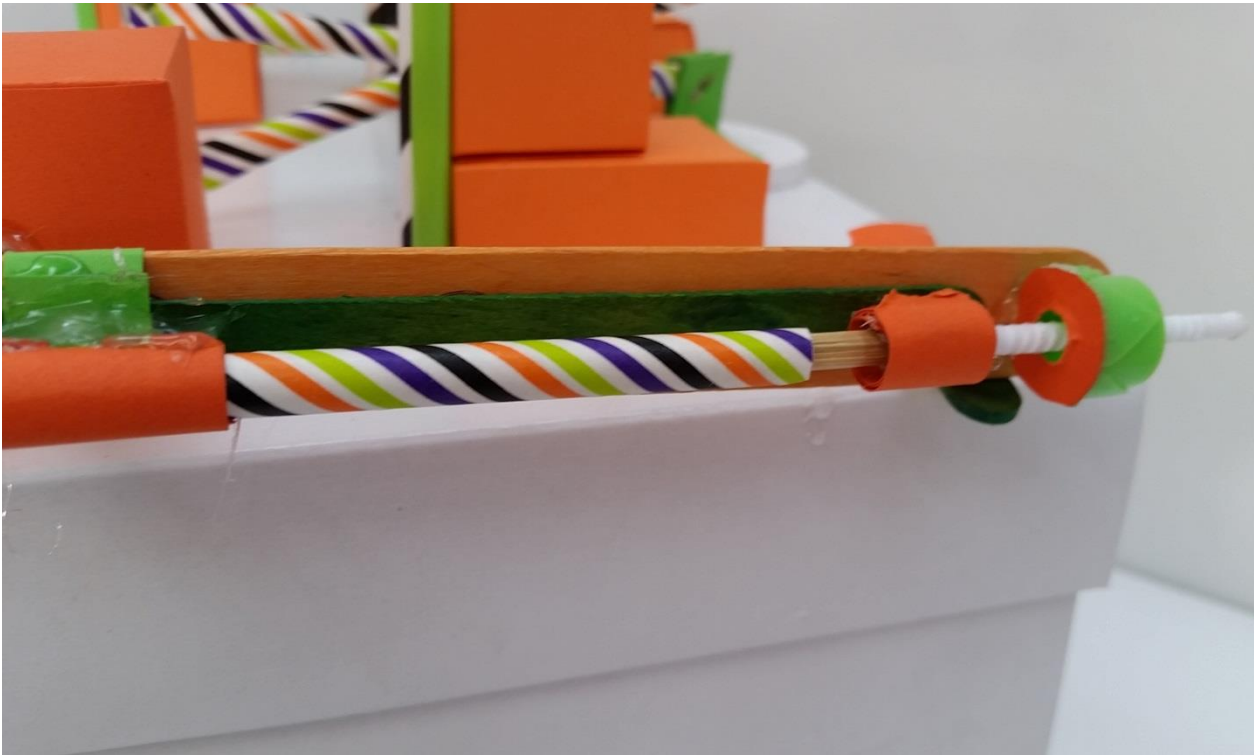
Bobbin pulley with load



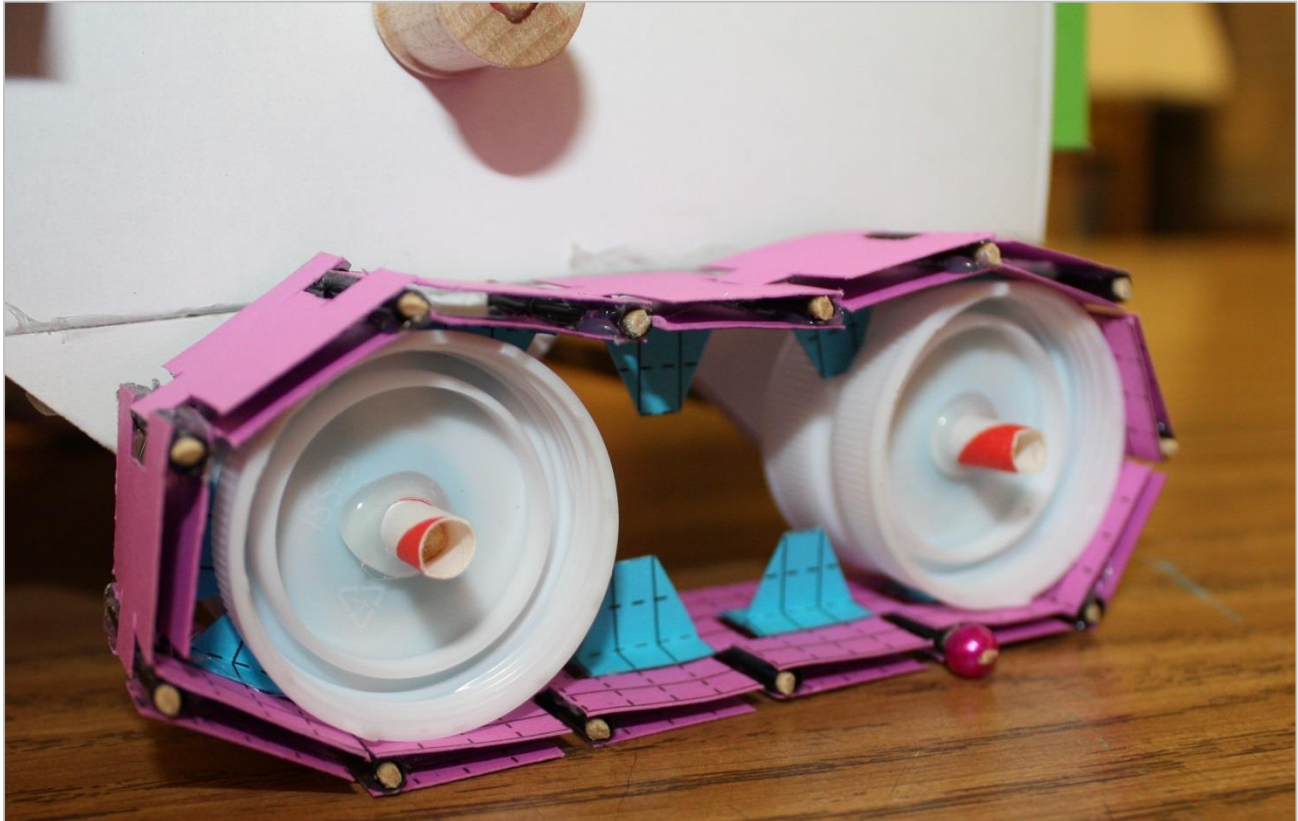
Mini River deployment system



Lever arm created by putting together two levers
Note: make the distance between each fulcrum Equal (forming a square) for greatest mobility



Drill System: glue stick screw and nut, skewer axle, straw bearing, attached to popsicle stick lever arm, here in safety mode on bus



Wheel and Axel adaptation: 2 wheels through bearing on each axle, 5 mm grid paper treds, 5 mm tread guides (blue), skewer braces holding hinge mechanism connecting each tread



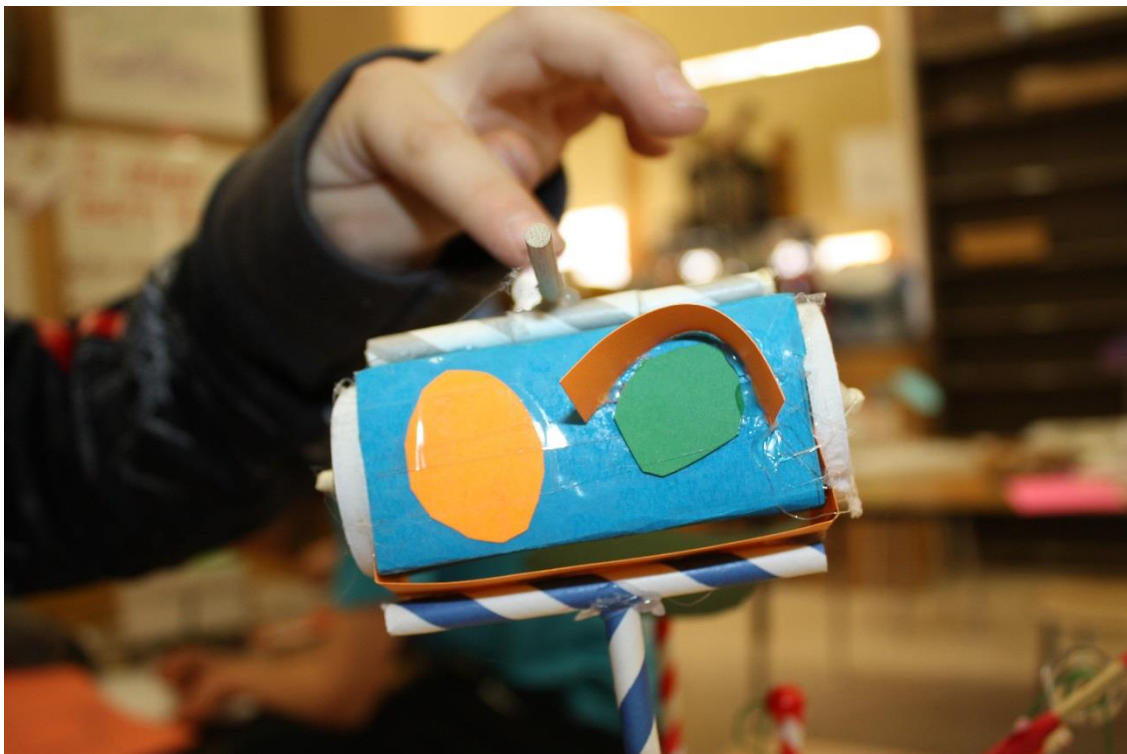
Ski Assembly: swivel mount holds lever system attached to ski stabilized with popsicle stick



Hatch Assembly: Lever are through bus lid opens and closes the instrument hatch



Atmosphere Rocket Sensor Assembly: Turret on swivel mount with 3D prism base and straw and cone (wedge) sensors mounted on paperclip "launchers"



Camera Assembly: 3D prism chassis with lens shade, hinge of paper straw cut down center and mounted to skewer mounted T fashion on an automata movement axle