

Team # _____

Build Time: _____

Each criteria is worth 1 point. **Bold:** object, L: Location, O: Orientation, C: Connection

All observations are to be made with the envelope opening pointing away from you (see picture doc - Aerial View)

Tape is not part of the structure and therefore should be disregarded while grading

Build time will be used as a tiebreaker

Envelope

- Small envelope used**
- O: Envelope flap open and pointing out of table
- Brass fastener used**
- C: Brass fastener prongs all the way on envelope flap
- L: Brass fastener on left side of envelope flap, 6 cm from the middle of the flap
- Small blue circle sticker used**
- C: Small blue circle sticker placed on brass fastener
- L: Small blue circle touching northeast side of the brass fastener top, does not go over the top
- Small paperclip used**
- C: Small paperclip on envelope flap
- L: Small paperclip on right side on envelope flap, 1 cm from the middle of the flap
- O: Long end of paperclip facing towards you (south)
- O: Tail of long end of paperclip touches the edge of flap
- Large green circle sticker used**
- C: Large green circle sticker placed on back of envelope flap (side away from you, north)
- L: Center of large green circle sticker 2-3 cm from the right side of the envelope
- O: Part of large green circle sticker stuck on the underside of the envelope - $\frac{1}{2}$ to $\frac{3}{4}$ of the circle showing
- Small white two-holed button (one side is curved, the other is flat) used**
- C: Button placed on the envelope parallel to table surface
- L: Button on right side of envelope, 3-4 cm away from the bottom right corner of the envelope
- O: Button's holes are parallel to the line the bottom flap of the envelope makes
- O: Button is placed so the curved side is on the bottom
- Small paperclip used (this is the second one!)**
- First bend in paperclip is correct (see pictures)**
- Second bend in paperclip is correct (see pictures)**
- L: Paperclip on right side of envelope
- O: Paper clip touches the line the envelope makes with the bottom flap
- O: Long end in the air pointing to the right
- C: Short end of the paper clip is placed into the hole of the white button that is away from you
- Small yellow circle sticker used**
- C: Circle sticker on right side of the envelope
- L: Circle sticker to the right of the white button

- L: Circle is NOT touching the line the bottom flap of the envelope makes AND the sides of the envelope
- Red Playing Card used**
- C: Card inserted inside envelope
- L: Corner of card is 5 cm away from envelope corner
- O: Card is rotated so short edge is on left side. 5 - 6 cm of long side is showing

_____/ 37 points

Sticky note

- Yellow sticky note used**
- C: Part of sticky note inside envelope
- L: Sticky note on right side of envelope
- O: Sticky note is oriented so that the sticky part points away from you and runs into/out of the page (vertically)
- O: Sticky note is folded so that the longer part is in the back, longer part of sticky note is 1 cm wide
- O: Sticky part of the sticky note is pressed to the non-sticky part halfway
- O: Sticky note is creased on left and bottom
- Shiny black button with four holes used**
- C: Button is stuck on the sticky part of the sticky note
- O: Side of the black button that is completely flat is stuck to the sticky note
- O: Four holes in the button form a diamond that has a point pointing out of the table
- O: Button is hanging out of the sticky note, but all of the holes must still be on the sticky part

_____/ 12 points

Notecard

- Notecard used**
- Notecard is folded correctly: Side that is facing towards you is an equilateral triangle (see pictures)**
- C: Bottom part is tucked underneath envelope, bottom crease touches the envelope crease
- L: Notecard is in middle of envelope, right side does NOT touch green sticker
- O: Side with lines is facing towards left/away from you, red line is on the top

_____/ 5 points

Cup + Pipe cleaner

- Plastic blue cup used**
- C: Cup on top of envelope
- L: Cup is placed so it is tangent to the left side of the envelope and the line the opening of the envelope makes, cup going over the envelope on the south side
- O: Cup is upside down
- O: Cup is turned so the top of the recycle symbol is pointing towards 4:30 (hour hand)
- Large yellow circle sticker used**
- C: Large yellow sticker placed at 7:30 side of cup
- L: Large yellow sticker between two striped sections
- Small green circle sticker used**
- C: Small green sticker sticking out of top of cup
- L: Small green sticker placed at 4:00 side of cup
- O: Bottom of sticker touching ledge of top of cup
- Blue pipe cleaner used**
- Pipe cleaner is bent correctly**
- Pipe cleaner makes two loops that are 2 cm in diameter and coiled next to each other**
- C: Middle section of the pipe cleaner hangs over the top of the cup by 3 cm. Loops are not touching cup at all.
- C: Long end of pipe cleaner runs tangent to side of cup
- C: Ends of pipe cleaner in notches: Long end of pipe cleaner is put into the notch of the cup at the bottom. Short end of the pipe cleaner is put into the notch of the cup at the top (note that the pipe cleaner attachment can be accomplished without tape, but use of tape is fine)
- L: From aerial view, the long side of the pipe cleaner should touch 11 o'clock on the cup; short side of the pipe cleaner should touch 6:00 on the cup
- White cube bead used**
- C: White cube bead on middle section of pipe cleaner
- L: Cube bead placed right next to loops
- O: Cube bead oriented so the sides form 45 deg angles with the plane the table is on
- T pin used**
- C: T pin is placed into the white cube bead; it should also touch the pipe cleaner
- L: T pin pushed all the way into the white cube
- O: Short part of the T pin parallel to the face of the top left side of the cube bead
- Light pink oval bead used - make sure the correct bead is used!**
- C: Oval bead touching where the pipe cleaner bends
- L: Oval bead on short end of the pipe cleaner

___ / 30 points

Fastener base

- Fastener base used**
- O: Fastener base left bent on bottom side
- O: Fastener base bent correctly on top side
- C: Top/shorter part of fastener base is on top of cup
- C: Top/shorter part of fastener base is fully on cup
- L: From aerial view, the bent edge of the fastener base touches 4:00 of the cup, to the right of small green sticker
- Large red circle sticker used**
- O: Circle folded in half to form a semicircle
- C: Large red circle sticker placed over the longer end of the fastener base
- O: Flat edge of the semicircle perpendicular to the fastener base length to form a "stand"
- C: Flat edge of the semicircle AND end of the long side of the fastener base touching table (not envelope)

___ / 11 points