

**2021 AP<sup>®</sup> Art and Design**  
**3-D Art and Design**  
**Row D: 2-D/3-D/Drawing Art and Design Skills**

**Written Evidence**

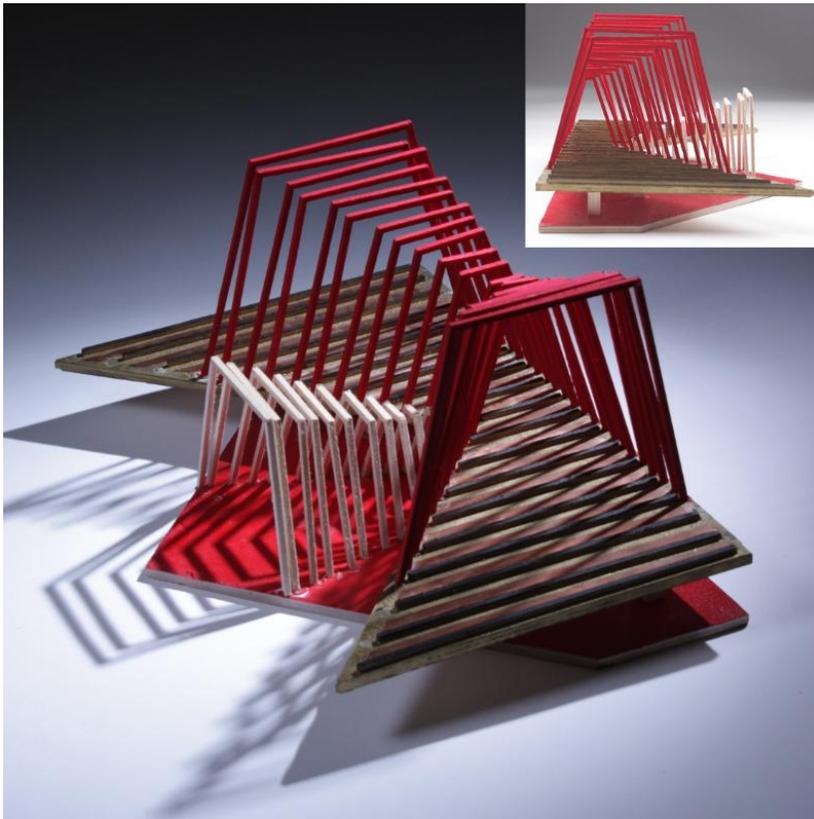
Sustained Investigation

Identify the question(s) or inquiry that guided your sustained investigation.

Describe how your sustained investigation shows evidence of practice, experimentation, and revision guided by your question(s) or inquiry.

Response:

My SI was guided by the inquiry, how can I examine my adoption from China in a discourse of connection, transition, movement, & change? Slides 1-6 I experimented with incorporating architectural elements like doors, windows, & stairs as metaphors for transitions & to move the viewer's eye through the sculptures. I practiced building levels of repetitive geometric forms from balsa wood & used red paint & string to symbolize my origination from China. After experimental iterations, I revised my pieces to create more upward movement by adding additional levels & longer lines to reinforce the ideas of transition & growth. 7-15 I practiced & experimented with oxidizing & distressing copper to convey change & to draw contrast between the green & red objects. I also introduced organic forms to create flowing & upward movement. The 2 Dragon sculptures were inspired by Chinese mythology & my dragon tattoo. 10-15 utilizes kinetic elements to represent change through time. Materials like maps, copper & bamboo synthesize with my ancestry, creating synthesis in final pieces. I practiced & revised this in digital & traditional sketchbooks. Light conditions in display accentuate form/depth & guide viewer interpretation.



## Image 1

Sustained Investigation

**Height:** 6.25 inches

**Width:** 13.5 inches

**Depth:** 8.5 inches

**Material(s):** Doorways: Balsa wood, plywood, thin sheet copper, superglue, red acrylic paint

**Process(es):** Built 3 repeatedly decrease doorways converging toward a central point symbolizes potential pathways



## Image 2

Sustained Investigation

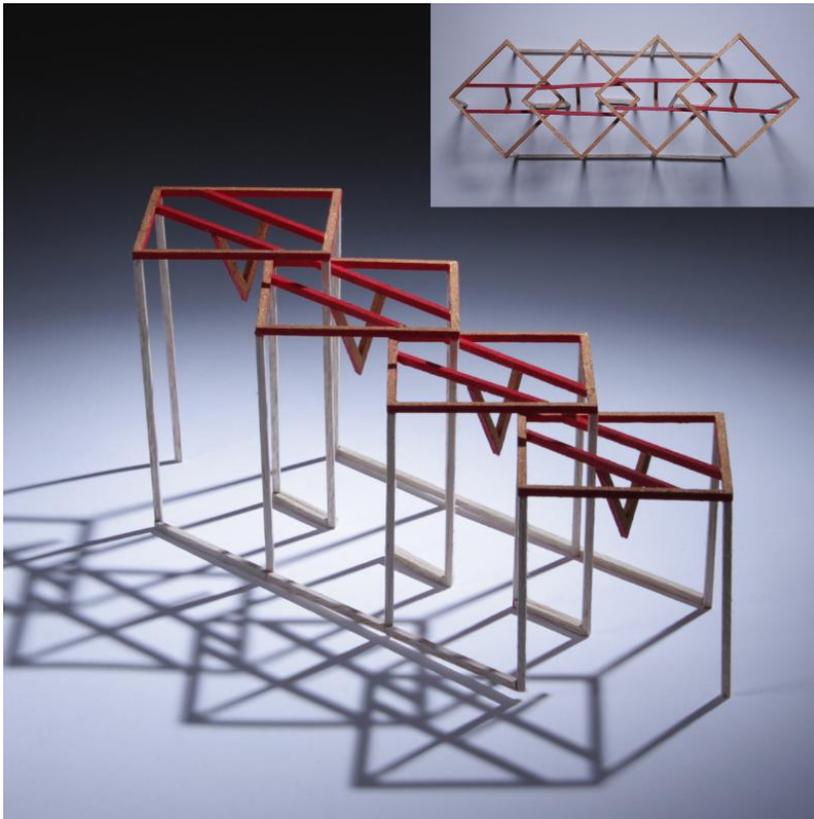
**Height:** 8 inches

**Width:** 12 inches

**Depth:** 12 inches

**Material(s):** Connections: Balsa wood, string, staples, superglue, red acrylic paint

**Process(es):** Connected red and gold painted 3D form, attached string representing connections between places.



### Image 3

Sustained Investigation

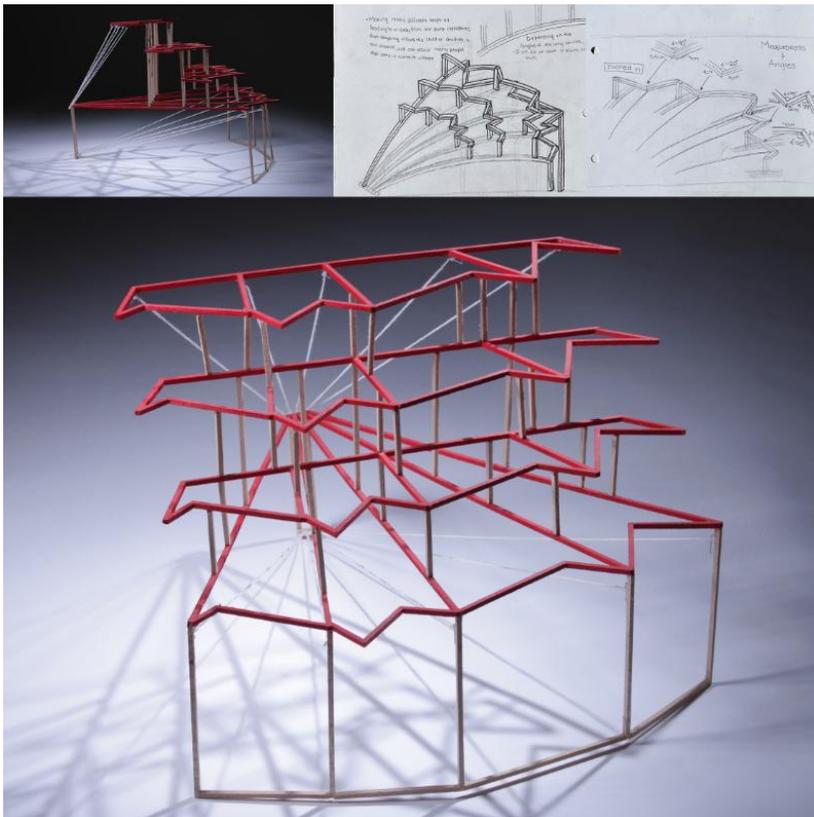
**Height:** 5 inches

**Width:** 4.5 inches

**Depth:** 12 inches

**Material(s):** Transition #1: Balsa wood, superglue, red acrylic paint

**Process(es):** Used repetition of 4 geometric steps to move the viewers eye and create transition and movement.



### Image 4

Sustained Investigation

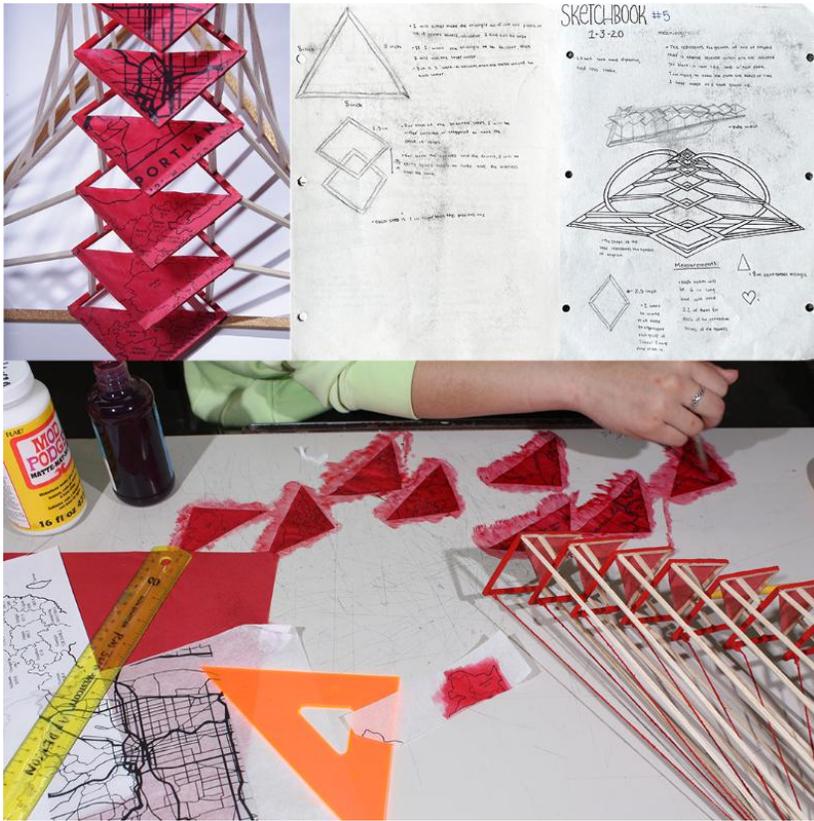
**Height:** 9 inches

**Width:** 13.5 inches

**Depth:** 13 inches

**Material(s):** Transition #2: Balsa wood, string, staples, superglue, red acrylic paint

**Process(es):** Revised the complexity of red shapes, added string and long lines reinforcing concept of transitions



## Image 5

Sustained Investigation

**Height:** 13 inches

**Width:** 12 inches

**Depth:** 10.5 inches

**Material(s):** Transition #3 Process: Balsa wood, string, staples, tissue paper maps, red acrylic paint, superglue

**Process(es):** Experimented printing, painting, gluing maps of places conveying personal transitions in my life.



## Image 6

Sustained Investigation

**Height:** 12 inches

**Width:** 12 inches

**Depth:** 10.5 inches

**Material(s):** Transition #3: Balsa wood, string, staples, tissue paper maps, red acrylic paint, superglue

**Process(es):** Increased repetition elevation of steps. Used vertical lines for upward movement. Glued maps for place





Sketchbook

Kinetic Sculpture

## Image 9

Sustained Investigation

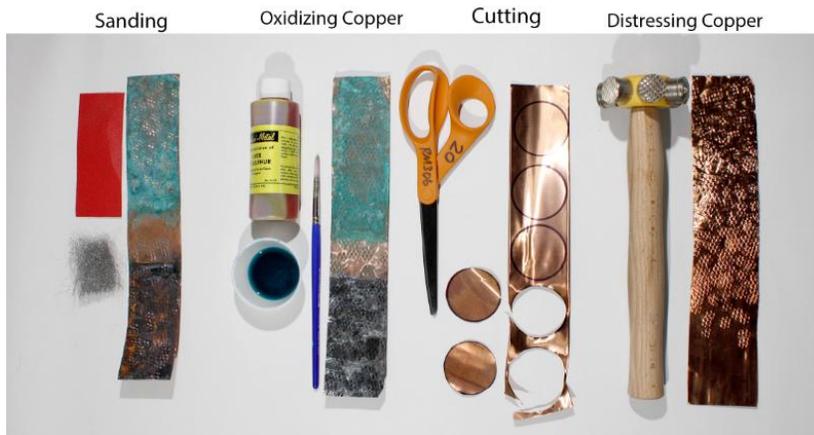
Height: 12 inches

Width: 2 inches

Depth: 10.5 inches

**Material(s):** Dragon #2 Process: Balsa wood, sheet copper, oxidized copper, fishing line, red acrylic paint

**Process(es):** Inspired by Chinese myth dragon chasing a pearl I experimented with kinetics and floating objects.

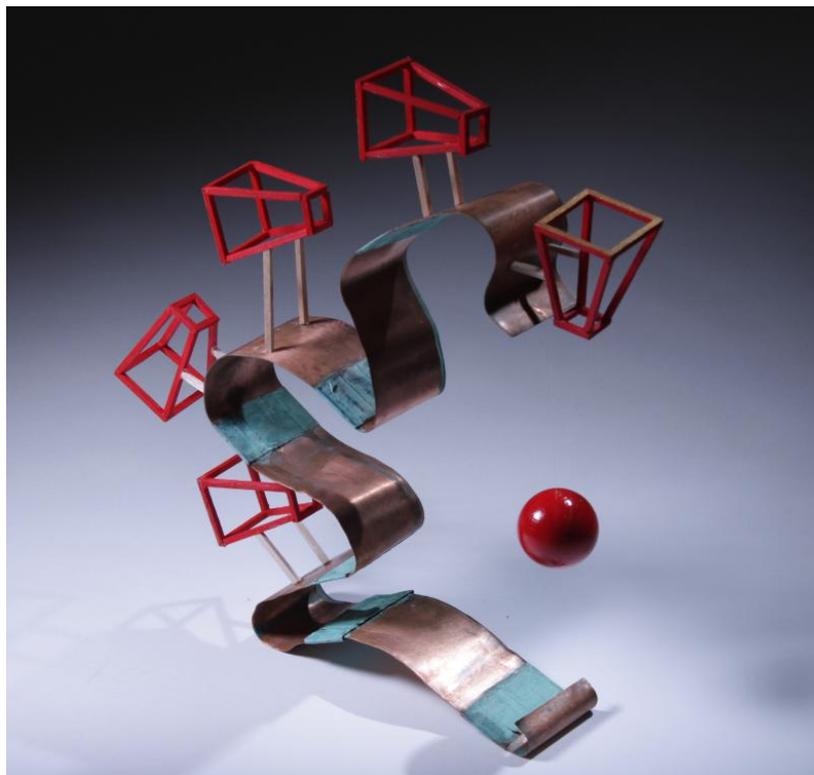


Sanding

Oxidizing Copper

Cutting

Distressing Copper



## Image 10

Sustained Investigation

Height: 12 inches

Width: 2 inches

Depth: 10.5 inches

**Material(s):** Dragon #2: Balsa wood, sheet copper, oxidized copper, fishing line, red acrylic paint, superglue

**Process(es):** Alternated oxidized and natural copper, with red modules, suspended red sphere for kinetic movement

## Sketchbook

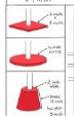
11.16.20

### Materials:

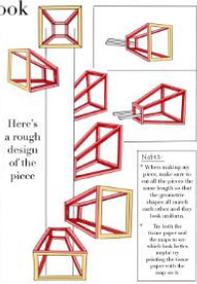
- Balsa wood
- Super glue
- Paint (red, gold)
- Clear tape
- Tissue paper
- Copper
- Maps (arch)

Here's a rough design of the piece

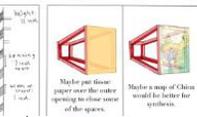
### Measurements:



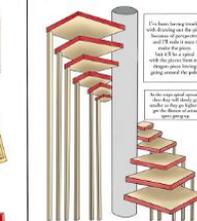
### Perspective



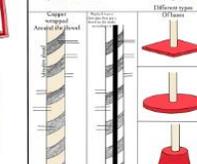
Notes:  
When making a piece, make sure the red of the piece is the same height as the piece, and the red is the same width as the piece, and the red is the same depth as the piece.



Make a map of China would be better for synthesis.



I've been thinking about the spiral staircase because of perspective and I think it's a good idea to use the spiral staircase paper as being a spiral staircase.



With repeated work, the red of the spiral staircase would be better for synthesis.



## Image 11

Sustained Investigation

Height: 19 inches

Width: 9.5 inches

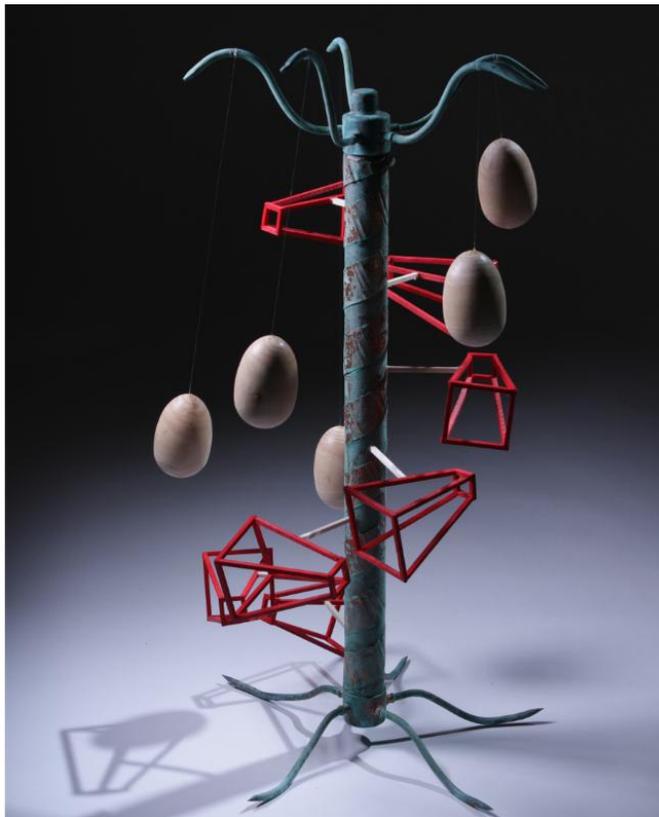
Depth: 9.5 inches

Material(s): Spiral staircase

Revision: Wooden dowels, red tissue paper, superglue, foam board, red acrylic

Process(es):

Experimented, practices, eventually revised idea for spiral staircase into tree of growth sculpture.



## Image 12

Sustained Investigation

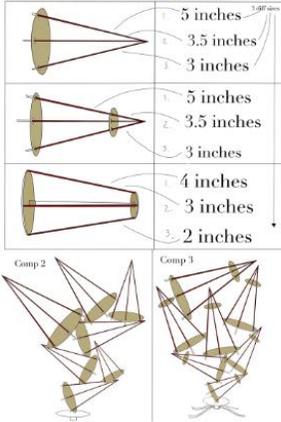
Height: 19 inches

Width: 9.5 inches

Depth: 9.5 inches

Material(s): Tree of growth: Oxidized copper tube, copper wire, balsa wood, wooden eggs, red acrylic paint

Process(es): Attached top and bottom to copper tube. Repeated spiraling modules and suspended eggs conveys growth



## Image 13

Sustained Investigation

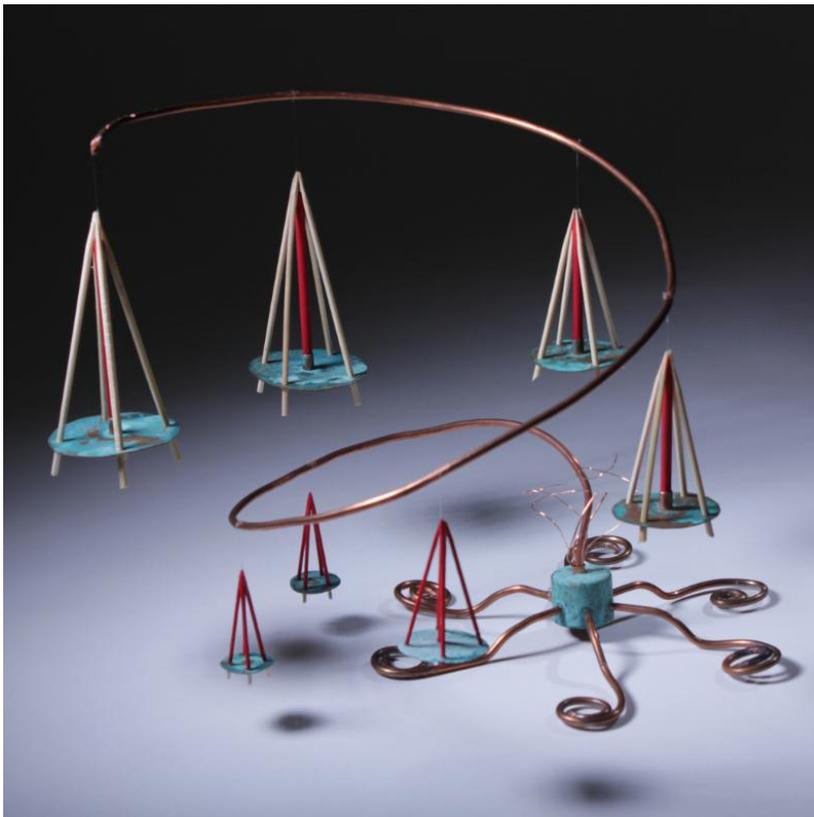
**Height:** 12.5 inches

**Width:** 14.5 inches

**Depth:** 13 inches

**Material(s):** Spiral Process: Copper wire, oxidized copper, balsa wood, toothpicks, fishing line, red acrylic paint

**Process(es):** Experimented with building, painting, oxidizing various modules. Drilled, bent, distressed copper.



## Image 14

Sustained Investigation

**Height:** 12.5 inches

**Width:** 14.5 inches

**Depth:** 13 inches

**Material(s):** Spiral: Copper wire, oxidized sheet copper, wooden dowels, toothpicks, fishing line, red acrylic paint

**Process(es):** Bent copper wire creating upward spiral. Suspended kinetic modules along spiral. Attached wire to base



## Image 15

Sustained Investigation

**Height:** 15 inches

**Width:** 7.5 inches

**Depth:** 7.5 inches

**Material(s):** Transformation: Wooden dowels, bamboo rings, fishing line, toothpicks, red acrylic paint, oxidized copper

**Process(es):** Suspended different size, colored modules to sanded bamboo rings conveying transformation.

## Sustained Investigation Scoring Rubric, Row D

D	2-D/3-D/Drawing Art and Design Skills		
	1	2	3
	Visual evidence of rudimentary and moderate 2D/3D/Drawing skills.	Visual evidence of moderate and good 2D/3D/Drawing skills.	Visual evidence of good and advanced 2D/3D/Drawing skills.

### Scoring Criteria

Row D: **2-D/3-D/Drawing Art and Design Skills** – Score: 3

Visual evidence of **good and advanced** 2-D/3-D/Drawing skills.

### Score Rationale

Command over 3-D skills is evident in every image, resulting in a series of dynamic and engaging compositions. Repetition of linear elements generates rhythm and movement in each sculpture, and various shapes effectively explore the vast potential of line.

For example, image 3 shows a nuanced understanding of line within a minimalist composition. The sculpture appears deceptively simple, with four elevated squares and descending triangular points. However, careful inspection of this form reveals complex interactions of overlapping shapes and lines that gracefully connect unexpected points. Even the tips of the descending triangles imply a line between the points, offering subtle incorporation of figure/ground relationships.

While the color palette is limited, effective use of paint creates contrast, emphasis, and hierarchy within each sculpture. For example, in image 2, the paint creates separation between the two box forms, adding necessary variety to the work and making the composition appear more balanced. In addition, accomplishment in the use of 3-D skills is consistently at the advanced level throughout this sustained investigation.



Image 2



Image 3