



## 2023 AP® 3-D Art and Design

### Sustained Investigation: Analytic Scoring Rubric and Score Rationale

#### Row D—Score 2

Analytic Scoring Rubric Row D: 2-D/3-D/Drawing Art and Design Skills		
1	2	3
Visual evidence of <b>rudimentary and moderate</b> 2-D/3-D/Drawing skills.	Visual evidence of <b>moderate and good</b> 2-D/3-D/Drawing skills.	Visual evidence of <b>good and advanced</b> 2-D/3-D/Drawing skills.

#### Score Rationale

There is visual evidence of moderate to good 3-D skills within the sustained investigation. Through the manipulation of paper and lighting, rhythm, movement, emphasis, and contrast are achieved but show minimal evolution in their application as the sustained investigation progresses. Moderately applied skills are evident in images 1–9, but image 10 achieves good rhythm, movement, and emphasis. The strong casted shadows help to delineate the space, ground the sculpture, and assist in defining the occupied and unoccupied space. Although the effective use of light and formatting of the images is advanced, the repetitive and systematic approach to constructing the forms is moderate. The portfolio showcases accessible materials, including paper and straws. However, the brief inclusion of clear straws in images 14 and 15 has a minimal visual impact as a sculptural element. The applied skills could be more varied and evolve throughout the sustained investigation. Therefore, the visual evidence supports a score of 2.

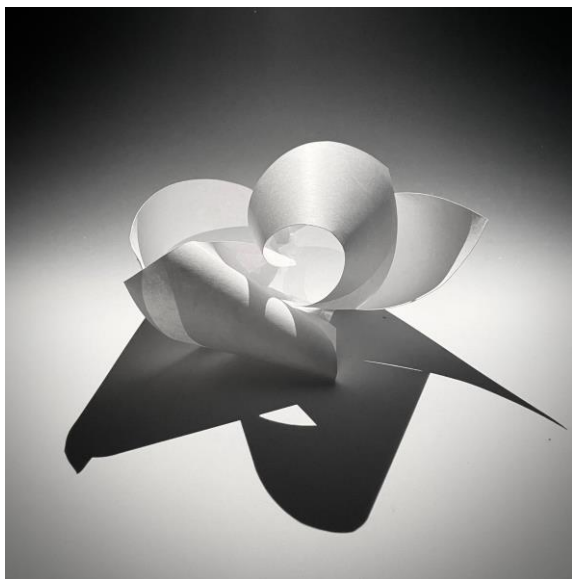


Image 3



Image 10

# Written Evidence

## Sustained Investigation

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

**Response:**

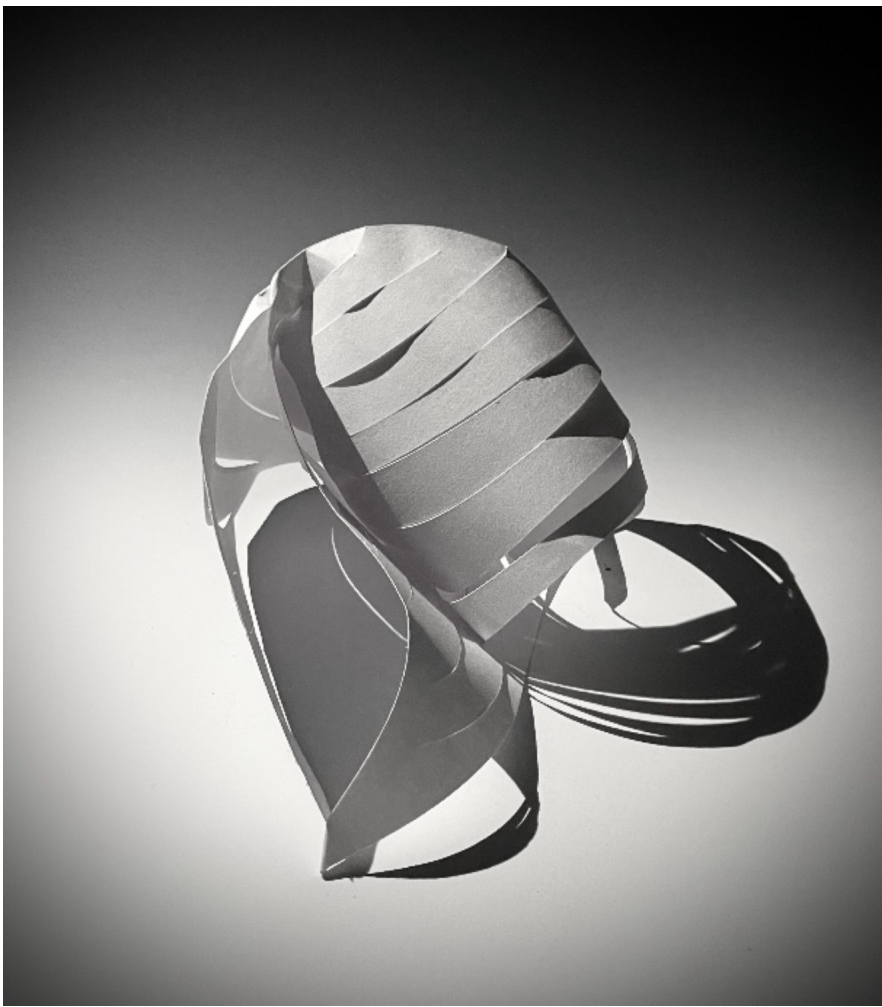
Influenced by the forms found in nature my work is a series of compositional experiments teaching me how to utilize the principles of art. How can I create a series of works that demonstrates my growing understanding of the principles of art influenced by the golden ratio?

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

**Response:**

#1 demonstrates my lack of compositional understanding; prompting me to experiment with the rule of 1/3's. Through independent research, I began to experiment with the Fibonacci number; piece #6 I experiment with a variety of large and small loops to equal the sum of the two quantities as represented in the golden ratio. As the Si progressed I experimented with phi juxtaposing the paper with clear straws as in #15. The usage of clear straws helped me visually represent how the golden ratio is the basis of my art and how nature has had the influence as well.





# Image 1

Sustained Investigation

Height: 5

Width: 4.3

Depth: 5.7

**Materials:** mass produced paper

**Process(es):**

I cut the paper into halves and juxtaposed the paper to show quantities of nature



## Image 2

Sustained Investigation

Height: 9

Width: 4

Depth: 6

**Materials:** mass produced paper

**Process(es):**

The influence of nature helped me create an unsymmetrical piece going against the golden ratio



## Image 3

Sustained Investigation

Height: 6

Width: 8

Depth: 8

**Materials:** mass produced paper

**Process(es):**

Folding the paper into fours to represent the quantities within the ratio



## Image 4

Sustained Investigation

Height: 5

Width: 7

Depth: 3

Materials: mass produced paper

Process(es):

Symmetry along the piece to create the unity nature can have





## Image 5

Sustained Investigation

Height: 6

Width: 4

Depth: 5.1

Materials: mass produced paper

Process(es):

Paper juxtaposed into rings to represent unity and influence the golden ratio may have



## Image 6

Sustained Investigation

Height: 3

Width: 4

Depth: 3

Materials: mass produced paper

Process(es):

Asymmetrical figure to create a  
unbalance piece without the basis of the  
golden ratio



## Image 7

Sustained Investigation

Height: 3

Width: 4

Depth: 3.7

Materials: mass produced paper

Process(es):

Diverse cut pieces of paper to create a curvature movement to represent my growth in knowledge



## Image 8

Sustained Investigation

Height: 4.3

Width: 6

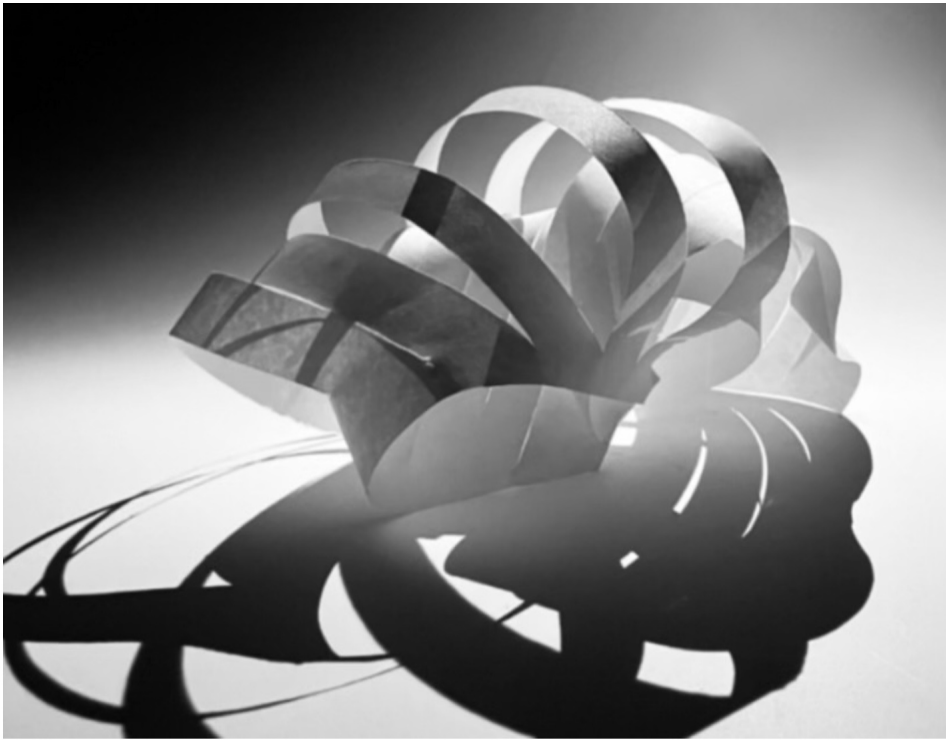
Depth: 6

Materials: mass produced paper

Process(es):

Paper juxtaposed into rings to represent unity and influence the golden ratio may have





## Image 9

Sustained Investigation

Height: 5

Width: 5

Depth: 6

**Materials:** mass produced paper

**Process(es):**

The influence of nature helped me create an unsymmetrical piece going against the golden ratio



## Image 10

Sustained Investigation

Height: 8

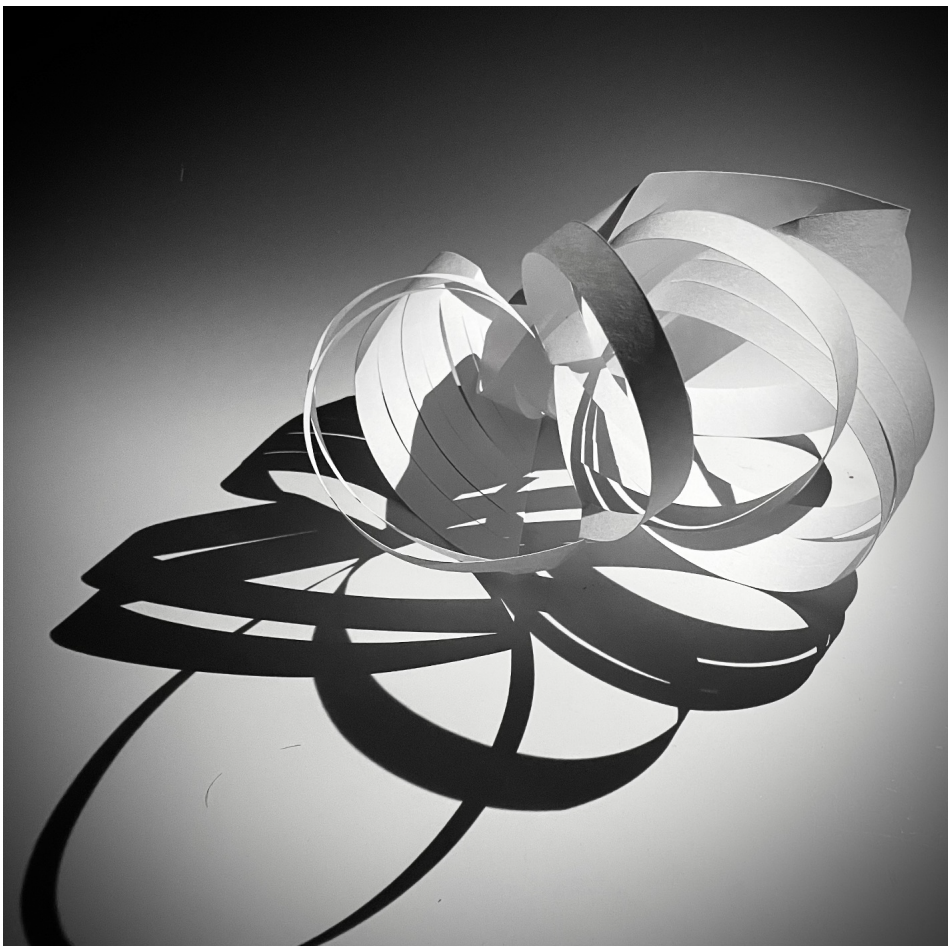
Width: 6

Depth: 6.4

Materials: mass produced paper

Process(es):

I juxtaposed the paper to create a  
lightness about nature



## Image 11

Sustained Investigation

Height: 5

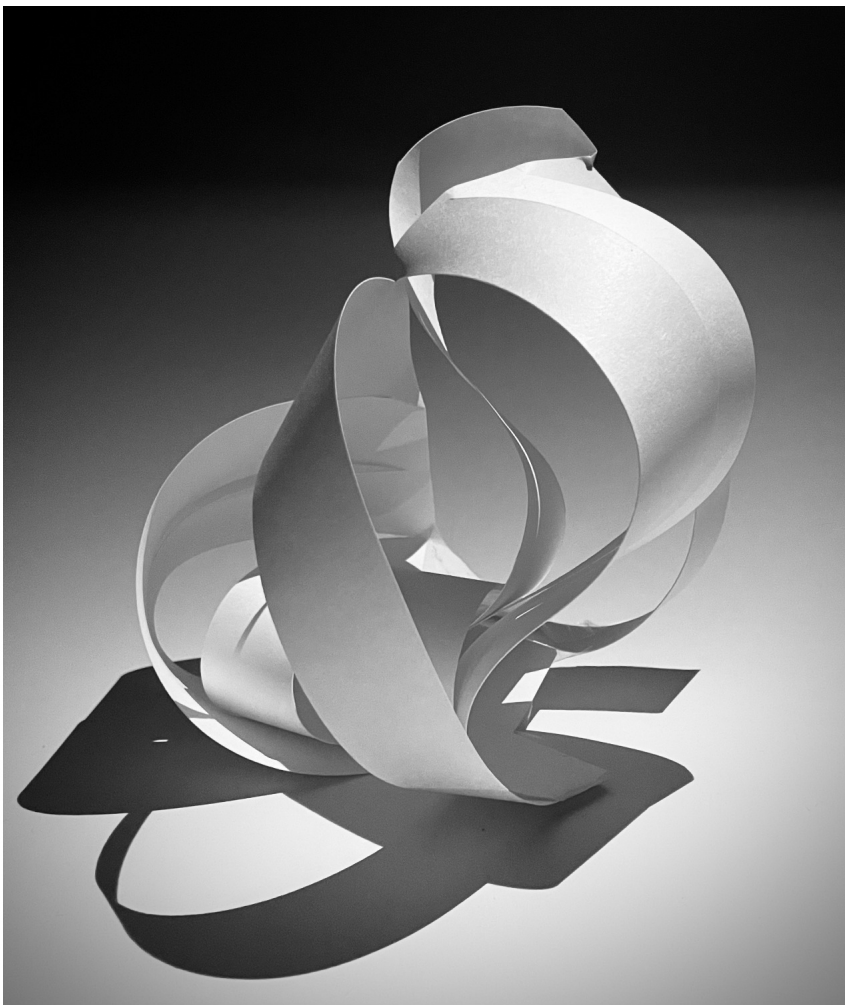
Width: 7

Depth: 4

Materials: mass-produced paper

Process(es):

Unsymmetrical peace to represent the unbalanced environment without the basis of fibonacci numbers



## Image 12

Sustained Investigation

Height: 7

Width: 4

Depth: 5

Materials: mass produced paper

Process(es):

I juxtaposed the paper to create a lightness about nature



## Image 13

Sustained Investigation

Height: 8

Width: 5

Depth: 7

Materials: mass produced paper

Process(es):

Diverse cut pieces of paper to create a curvature movement to represent my growth in knowledge



## Image 14

Sustained Investigation

Height: 5

Width: 5.8

Depth: 7

**Materials:**

mass produced paper, clear straws

**Process(es):**

Additive of straws to represent my growth about the golden ratio





## Image 15

Sustained Investigation

Height: 6

Width: 7

Depth: 7

**Materials:**

mass produced paper, clear straws

**Process(es):**

Usage of clear straws, paper to  
complete my journey with connection  
between paper and golden ratio