SCULPTURE PROJECTS FOR YOUNG ARTISTS
COMPLIMENTS OF THE
NATHAN MANILOW SCULPTURE PARK AND THE
CENTER FOR PERFORMING ARTS AT
GOVERNORS STATE UNIVERSITY
# Sculpture Projects for Young Artists

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INTRODUCTION TO STYLE OF ART AND SCULPTURE DRAWING CHALLENGE

To prepare for this drawing challenge go to both of the links below for images of all the sculptures in the Nathan Manilow Sculpture Park. Once you’ve seen all the sculptures, pick one that you want to study and recreate it (or them if you choose multiple sculptures) in any or all of the following ways:

- Using found objects (sticks, rocks, cardboard, wire, straws, pinecones, etc.) to create a 3-dimensional sculpture
- Drawing the sculpture of your choice in the style of Realism, Abstract, Cubism, Art Noveau, Impressionism, Pointillism, to name a few – explanations and examples can be found at https://magazine.artland.com/art-movements-and-styles/
- Using different media to create your artwork such as crayons, pastels, watercolor, colored pencils, etc.

Images of all sculptures can be found at https://www.govst.edu/NMSP-Collection/ and for more images of the sculptures, visit https://www.instagram.com/_thenate_/

Share your creations for fun and to be entered to win four tickets to the Center for Performing Arts’ Lightwire Theatre’s production in November 2020 at any of the following social media:

Tag _thenate_ on IG
nathan.manilow.sculpture.park on facebook

Use hashtag: #thenatechallenge
CUBES AND PRISMS
Cube

6 square faces each
With an area of: \[ A = a^2 \]

The volume of the Cube is: \[ V = a^3 \]

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.
Cube

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

6 square faces each with an area of: \( A = a^2 \)

The volume of the Cube is: \( V = a^3 \)

Phoenix
(1991)
by
Edvins Strautmanis
CUT ALONG THE SOLID LINES

FOLD ALONG THE DOTTED LINES

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Passage (1998) by James Brenner

6 square faces each
With an area of: \( A = a^2 \)

The volume of the Cube is: \( V = a^3 \)
Cube

Cut along the solid lines

Fold along the dotted lines

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

6 square faces each
With an area of: $A = a^2$

The volume of the cube is: $V = a^3$

House Divided
(1983)
by
Bruce Nauman
FOLD ALONG THE DOTTED LINES

CUT ALONG THE SOLID LINES

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Wind Waves
(2010)
by
Yvonne Domenge

6 square faces each
With an area of: $A = a^2$

The volume of the Cube is: $V = a^3$
FOLD ALONG THE DOTTED LINES

CUT ALONG THE SOLID LINES

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Cube

Falling Meteor (1975) by Jerry Pearle

6 square faces each With an area of: \( A = a^2 \)

The volume of the Cube is: \( V = a^3 \)
FOLD ALONG THE DOTTED LINES

CUT ALONG THE SOLID LINES

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Cube

Butte (1979) by Barry Tinsley

6 square faces each With an area of: $A = a^2$

The volume of the Cube is: $V = a^3$
Cube

FOLD ALONG THE DOTTED LINES

CUT ALONG THE SOLID LINES

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

6 square faces each with an area of: \( A = a^2 \)

The volume of the Cube is: \( V = a^3 \)

*Icarus* (1975)
by Charles Ginnever
Cube

6 square faces each With an area of: \( A = a^2 \)

The volume of the Cube is: \( V = a^3 \)

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Forms in Blue
(1977)
by
John Payne
CUT ALONG THE SOLID LINES

FOLD ALONG THE DOTTED LINES

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

6 square faces each
With an area of: $A = a^2$

The volume of the Cube is: $V = a^3$
CUT ALONG THE SOLID LINES

FOLD ALONG THE DOTTED LINES

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Prism

2 square faces each with an area of: $A = a^2$

4 rectangular faces each with an area of: $A = ah$

The volume of the prism is: $V = ha^2$
Prism

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

2 square faces each with an area of: \( A = a^2 \)

4 rectangular faces each with an area of: \( A = ah \)

The volume of the prism is: \( V = ha^2 \)

The Granary Project
(2011)
by
Dan Peterman
CUT ALONG THE SOLID LINES

FOLD ALONG THE DOTTED LINES

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Prism

Lanleff-Demeure
No. 4
(1961)
by
Henri
Etienne -Martin

2 square faces each with an area of: \( A = a^2 \)

4 rectangular faces each with an area of: \( A = ah \)

The volume of the prism is:

\[ V = ha^2 \]
Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Yes! for Lady Day (1968-69) by Mark di Suvero

Prism

2 square faces each with an area of: \( A = a^2 \)

4 rectangular faces each with an area of: \( A = ah \)

The volume of the prism is: \( V = ha^2 \)
FOLD ALONG THE DOTTED LINES

CUT ALONG THE SOLID LINES

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Prism

2 square faces each with an area of: $A = a^2$

4 rectangular faces each with an area of: $A = ah$

The volume of the prism is: $V = ha^2$

Arc 3
(1963)
by
Mike Baur
CUT ALONG THE SOLID LINES

FOLD ALONG THE DOTTED LINES

Prism

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Sextant Yoke
(2000)
by Mike Baur

2 square faces each with an area of: \( A = a^2 \)
4 rectangular faces each with an area of: \( A = ah \)

The volume of the prism is:
\[ V = ha^2 \]
PYRAMIDS
4 equilateral triangle faces each with an area of: 

\[ A = \frac{\sqrt{3}}{4} a^2 \]

The volume of the Pyramid is:

\[ V = \frac{a^3}{6\sqrt{2}} \]

Triangular Pyramid

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.
4 equilateral triangle faces each with an area of: \[ A = \frac{\sqrt{3}}{4} a^2 \]

The volume of the Pyramid is: \[ V = \frac{a^3}{6\sqrt{2}} \]

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.
4 equilateral triangle faces each with an area of: $A = \frac{\sqrt{3}}{4} a^2$

The volume of the Pyramid is: $V = \frac{a^3}{6\sqrt{2}}$

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.
4 equilateral triangle faces each with an area of: 

\[ A = \frac{\sqrt{3}}{4} a^2 \]

The volume of the Pyramid is: 

\[ V = \frac{a^3}{6\sqrt{2}} \]

Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.
Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.

Pyramid
Note: After cutting use a blunt instrument to go over the dotted line indicating folds. Before folding them.
Geometric Abstraction Paper Sculpture Project
Instructions

1. Cut several geometric shapes with cardstock, or construction paper.

2. Fold the largest shape. Find the best way to make it stand. Another piece may be used to help it balance, see 3.

3. Cut a small slit in one shape to attach it to another. The slit may need to be at an angle or straight depending on the direction the shape will go.

4. Keep adding shapes to the piece until the sculpture is complete. Pic on the right shows a folded piece with a slit cut, attached and opened.
5. To photograph work, use two pieces of white card stock paper. Lay one flat and prop one up. The background and ground could also be colored to put the sculpture in a setting.

6. Tag theNate and #thenate on Instagram and Facebook to share your work. We look forward to seeing your creations!
Calder Inspired Paper Project
Instructions

Supplies you will need: construction paper or card stock and scissors. Optional supplies include a pencil to draw lines for cutting and tools to color a design if you would like. You can use colored pencils and crayons or oil pastels. For younger kids, circle stickers work well. I recommend the stickers you would use for a garage sale.

1. Use a rectangle piece of construction paper or card stock. 6 x 9 inches is a good size.
2. Fold your rectangle in half as shown above. I like to make a vertical line using a pencil about a half inch away from the fold. This is so you know where to stop cutting.
3. Cut 3 lines starting at the bottom of your folded paper. These can be free form or drawn then cut.
4. Open up your folded paper.

After you open the paper, start from the top and begin folding the first section the opposite direction. Continue by alternating folds on both sides until your sculpture is able to stand on its own. If it isn’t able to stand on its own, consider folding little tabs on legs of each piece and gluing them on a piece of card board or card stock.
Paper House Project
1. Any type of paper will do. Size of house will vary depending on the size of paper. This is about 1/4 of a piece of copy paper.

2. Fold about an inch of an end in. This is how you will tape or glue the house closed.

3. With the end folded in, fold in half. Open and then fold the halves in half.

4. Cut the peak on the two sides that will be opposite each other when closed.
Instructions

3. It is easiest to embellish your decorate the house when it is flat. Tape house closed when finished and create a roof.

4. Fold down the pieces between the peaks as shown and cut off.

4. Put the roof on and take a pic of your finished project. Share it with theNate on Instagram @_theNate_ and #theNate.

Note: You can create a village varying sizes of house forms and can also create tall buildings.

We can't wait to see your finished project!
Rock Sculpture Project
Instructions

Supplies you will need: a rock, pipe cleaners and various materials to attach to the pipe cleaners. Items that work well are buttons, beads, sequins, and paper. Feel free to use other materials that may work well for your sculpture.

Start by bending and wrapping pipe cleaners around the rock. If the pipe cleaners are short you can extend them by winding 2 or more together. You can also experiment with bending the pipe cleaners around other items like pencils to create different types of lines.

Once you have your pipe cleaners the way you want them, attach other materials to the pipe cleaners to complete your sculpture. Remember that heavy beads and buttons may not allow your piece to stay sitting up. In order to create balance be sure to use materials that aren’t too heavy.