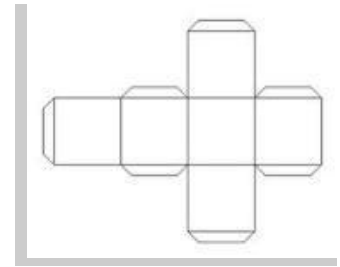


Form Unit



Paper Forms

45 minutes 5 Days

Interdisciplinary: Geometry

G8 Kelly sari

Objective: Compare and contrast **2D** and **3D** while creating large **forms** from card board or and paper.

Goal: Create and decorate (3) 3D shapes: a **pyramid**, a **cube** and a **cylinder**.

Essential Standards

8.V.2.1: Create art that uses the best solutions to identified problems.

8.V.3.1: Use tools and work safely

8.V.3.2: Use a variety of media.

Essential Question: What is **3D**? Compare and contrast **shapes** and **forms**.

Evaluation: 3 Geometric Forms

Art Terms and Concepts:

Tab: A small shape used to tape sides together

3D: 3 or more sides a cube Form

2D: a drawing is 2D Shape

Pyramid: a 5 sided triangular form

Cube: a geometric shape with 4 equal parallel sides

Cylinder: Two flat circles attached to a paper towel role

Template: a guide used to make something

Perpendicular: lines that create a 90 degree angle

Proposal: Drawing or written description of an idea to be approved by a client or employer.

Shape: 2 dimensional an area defined by a change in value or line

Form: 3D an object with three or more sides

5 minutes

Review and Focus: The teacher will:

Remember we looked at forms in the text and Power Point? The next project is called paper sculpture. I will teach you how to make a cube then you will make a pyramid and a cylinder using the directions. The third day you can work in pairs and make a sphere or organic form of your choice. What is **parallel**? What is **perpendicular**? What is 2D? What is 3D?

Today we will learn how to change or **translate** a **2D shape** into a **3D form**.

15 minutes

Teacher Input: The teacher will:

Demonstrate, ***Perpendicular, parallel, horizontal*** and equal sides on the dry erase board.
Read the Goals on the board: Demonstrate the process for the students while opening up a finished cube. How can we make a **cube**? Demonstrate the skills.

Write and read the Goals and directions for each form on the board.

1. Fill out a rubric
2. Create 3 forms: a **pyramid** or **prism** , **cube** and an **organic form** from paper.
3. Plan your **forms** by drawing **shapes** on graph paper first.
4. Measure and trace the lines onto the card board or paper using **parallel** and **perpendicular** lines.
5. When the paper is decorated cut out the sides with the tabs.
6. Glue the sides together and sign your name
7. Critique your classmates and choose the best form. Create two teams girls VS boys and glue all the forms together into a large sculpture.
8. Complete rubric and decide which sculptures will go to Art Show and photograph.

Materials: The teacher will distribute materials while answering questions

- Graph paper
- Erasers
- Rulers
- Mat board
- Paper cutter
- Black Pens
- Duck tape
- Scissors
- Template for EC Students and poster board paper
- 3D Paper Rubric examples
- Thick paper
- Power Point for You tube

15 minutes the first day 25 Days 3-5

Guided Practice:

The students will:

See and hear directions

Write vocabulary

See and hear a demonstration

Draw shapes

Cut out shapes

Glue a **forms**

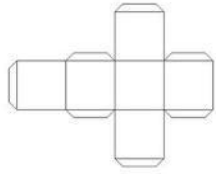
Critique the forms and fill out a rubric

Collaborate and photograph

Independent Practice: Students are encouraged to draw in sketch book.

5 minutes

Closure: The students will put away materials by table; the teacher will collect the projects and place them on the shelf



*Tabs

Directions for a Cube:

1. Find the center of your graph paper.
2. Draw 3 squares horizontally across your paper as large as possible.
3. Draw 2 more squares vertically or on the top and under the center square.
4. Draw the tabs and trace onto card stock paper.
5. Color a design onto your cube.
5. Cut out the tabs and sides(*Tabs are small shapes used to glue the sides together.)
6. Fold and tabs and sides
7. Glue with hot glue gun. Glue is hot dot not touch!

Directions for a Pyramid:

1. Find the center of your graph paper.
2. Draw 3 squares horizontally across your paper as large as possible.
3. Draw 2 more squares vertically or on the top and under the center square.
4. Draw a dot in the center of the outside edge of each square.
5. Change the outside squares into triangles by drawing a line from the dot each corner.
6. Draw the tabs and cut out the design.
7. Trace on to card stock and decorate.
8. Fold the tabs and sides to create a form and glue using tabs.

Directions for a Cylinder:

1. Draw two circles and a long rectangle on your paper.
2. Decorate
3. Cut them out with 4 tabs.
4. Fold the rectangle into a tube form.
5. Tape the sides.
6. Tape the circles to each end.

Directions for a sphere:

<https://www.youtube.com/watch?v=7QC2cusdt-E>

<https://www.youtube.com/watch?v=KD-PT-vF6ts>

