

Abstract Equations

Get Smart THROUGH the **Smart**s

Math & Visual Arts

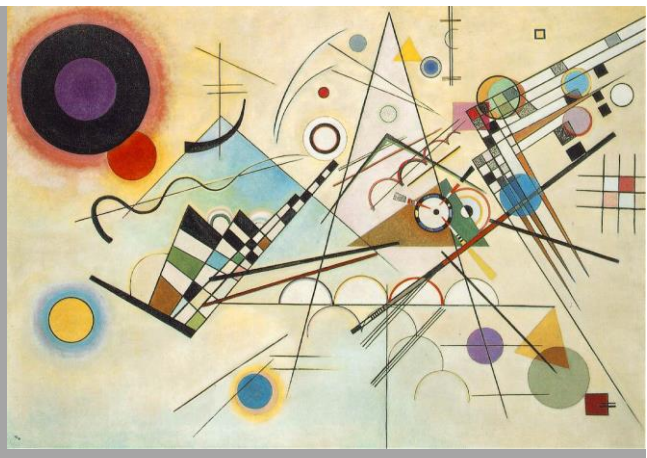
Grade 8

MATH Grade 8

8.EE.b.5 Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways.

VISUAL ARTS (MD) Standards Grade 8

1.1.a Identify, describe, interpret, and produce visual representations of the physical qualities of observed form. Describe how artists represent visual qualities such as spatial relationships, detail, and specific features of subject matter



CONNECTED OBJECTIVES

Students will create artwork in the Kandinsky style by graphing colorful linear equations. They will discuss principles of graphing a linear equation as well as mood and feeling in a piece of art.

MATERIALS & RESOURCES

- Kandinsky PowerPoint
- Graph Paper
- Linear Equations
- Ruler

KEY CONTENT VOCABULARY

- Y-intercept
- Slope
- Variable
- Positive
- Negative
- Linear
- Non-Linear

KEY ARTS VOCABULARY

- Color
- Tone
- Mood
- Abstract

A S S E S S M E N T

- Completed graph with Kandinsky-inspired designs. The teacher will be able to tell if the lines are correct using an answer key.



L E S S O N S T E P S

1. Discuss artwork with Artful Thinking routine: *Colors, Shapes, Lines*.
2. Provide background of Kandinsky: who he is, where he came from, etc.
3. Discuss how colors evoke or symbolize emotions.
4. Describe the feelings and motives behind the artwork, the feeling that each type of line suggests, and the connection between color and emotion.
5. Students assign a color to each equation on their worksheet and graph each equation on graph paper.
6. Students cut out their graph paper and glue it to construction paper.
7. The result is a piece of artwork that was inspired by Kandinsky.

EXTENSIONS & OPTIONS

SOURCES & RESOURCES

<http://www.ibiblio.org/wm/paint/auth/kandinsky/>

<http://www.guggenheim.org/new-york/education/school-educator-programs/teacher-resources/arts-curriculum-online?view=category&id=725>

G E T S M A R T T H R O U G H T H E A R T S

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S U P P O R T I N G D O C U M E N T S