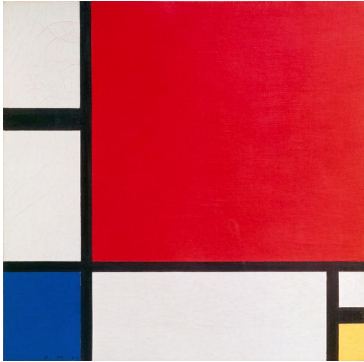


Abstract Art / Math Project / Piet Mondrian



This project will combine the best of both worlds – math and art! We will discover how shapes play a role in artistic design and apply mathematical concepts to identify polygons, calculate area and perimeter, and work with fractions.

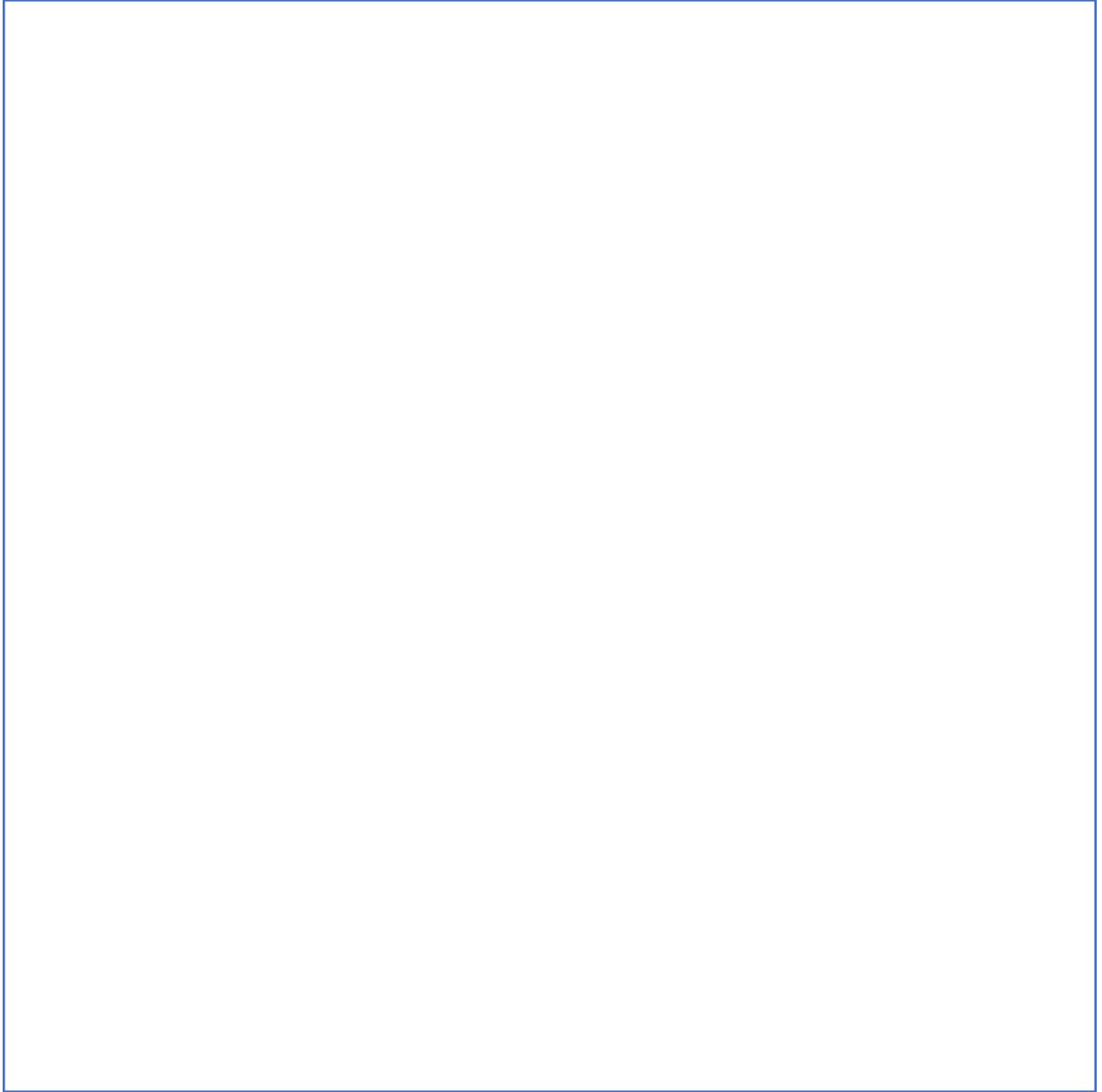
Today's lesson focuses on the artwork of Piet Mondrian, a Dutch painter. We will look at a few of his paintings and create our own rendition on ceramic tiles. In the process, we will learn how to use a ruler, draw straight lines, and calculate area and perimeter.

Your finished project must include:

- * at least one large square
- * at least three smaller squares
- * at least four rectangles
- * at least four different color paints

Your grade will reflect meeting the above requirements as well as accurately calculating area and perimeter. Be creative with this project!

NAME:
Practice Tile



Area and Perimeter Work Space

Your finished work must include:

At least one large square

At least three smaller squares

At least four rectangles

Type	Dimensions	Perimeter (inches)	Area (in²)
Large Square			
Small Square #1			
Small Square #2			
Small Square #3			
Rectangle #1			
Rectangle #2			
Rectangle #3			
Rectangle #4			

Workspace.
Neatly show your math work here.

Measure the squares and rectangles in Mondrian's *Composition II with Red, Blue, and Yellow* (1930). Find the area and perimeter for each. Do not include the black lines in between the colors.



**Write the dimensions down, including labels for units.
Do the math for perimeter and area.**

Upper Left White
Dimensions

Perimeter:

Area:

Middle Left White
Dimensions

Perimeter:

Area:

Lower Left Blue
Dimensions

Perimeter:

Area:

Upper Right Red
Dimensions

Perimeter:

Area:

Lower Center White
Dimensions

Perimeter:

Area:

Middle Right White
Dimensions

Perimeter:

Area:

Lower Right Yellow
Dimensions

Perimeter:

Area:

Measure the squares and rectangles in your Mondrian Composition. Find the area and perimeter for each. Do not include the black lines in between the colors.

Create a table if needed.