

GEOMETRICIAN'S VIEWS

TOPIC: Polygons in the Mondrian's art

Mathematical View

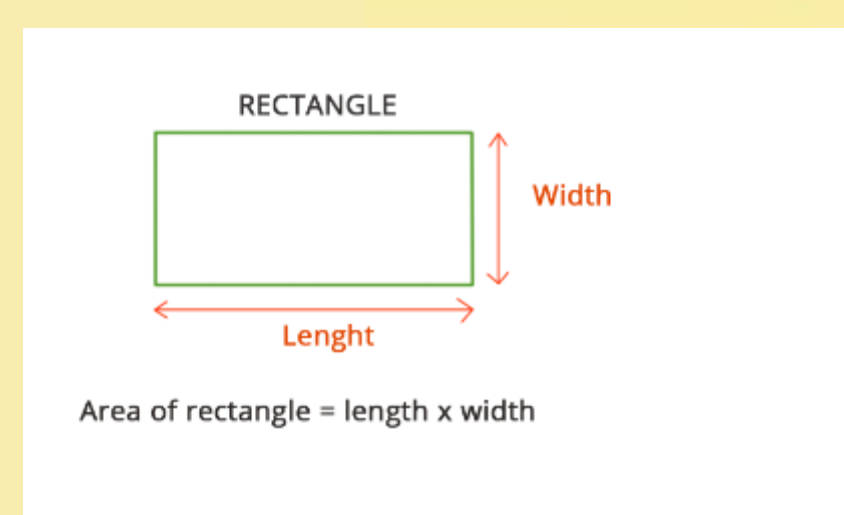
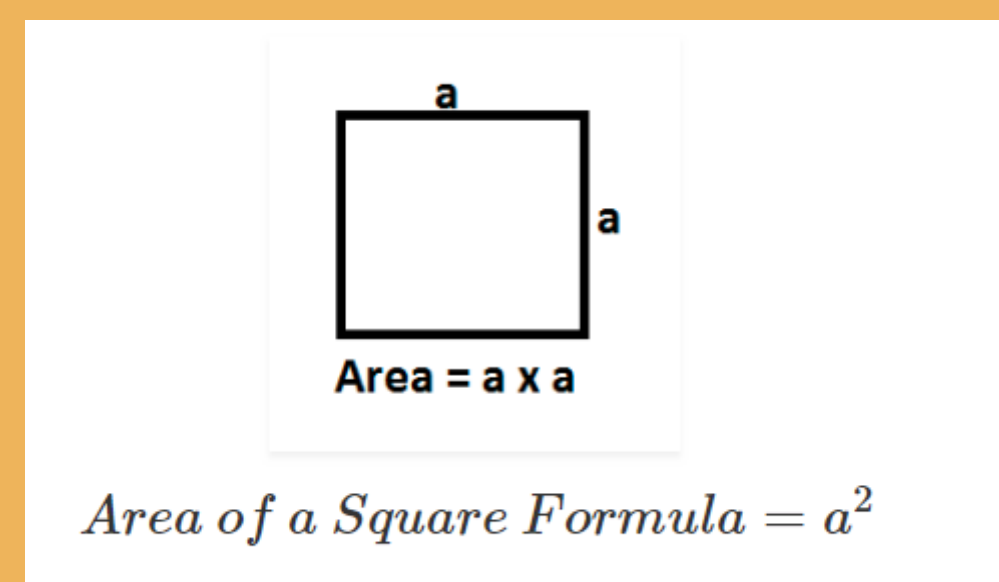
Using Mondrian's art students can calculate and work on different mathematical tasks, such as:

Find the area of the given square of side 5.5 cm or area of a rectangle of length 8cm and breadth 3cm .

Area of a square is defined as the number of square units needed to fill a square. In general, the area is defined as the region occupied inside the boundary of a flat object or 2d figure. The measurement is done in square units, with the standard unit being square meters.

To find the area of a rectangle, we **multiply the length of the rectangle by the width of the rectangle**.

Researcher
Miroslav Novta

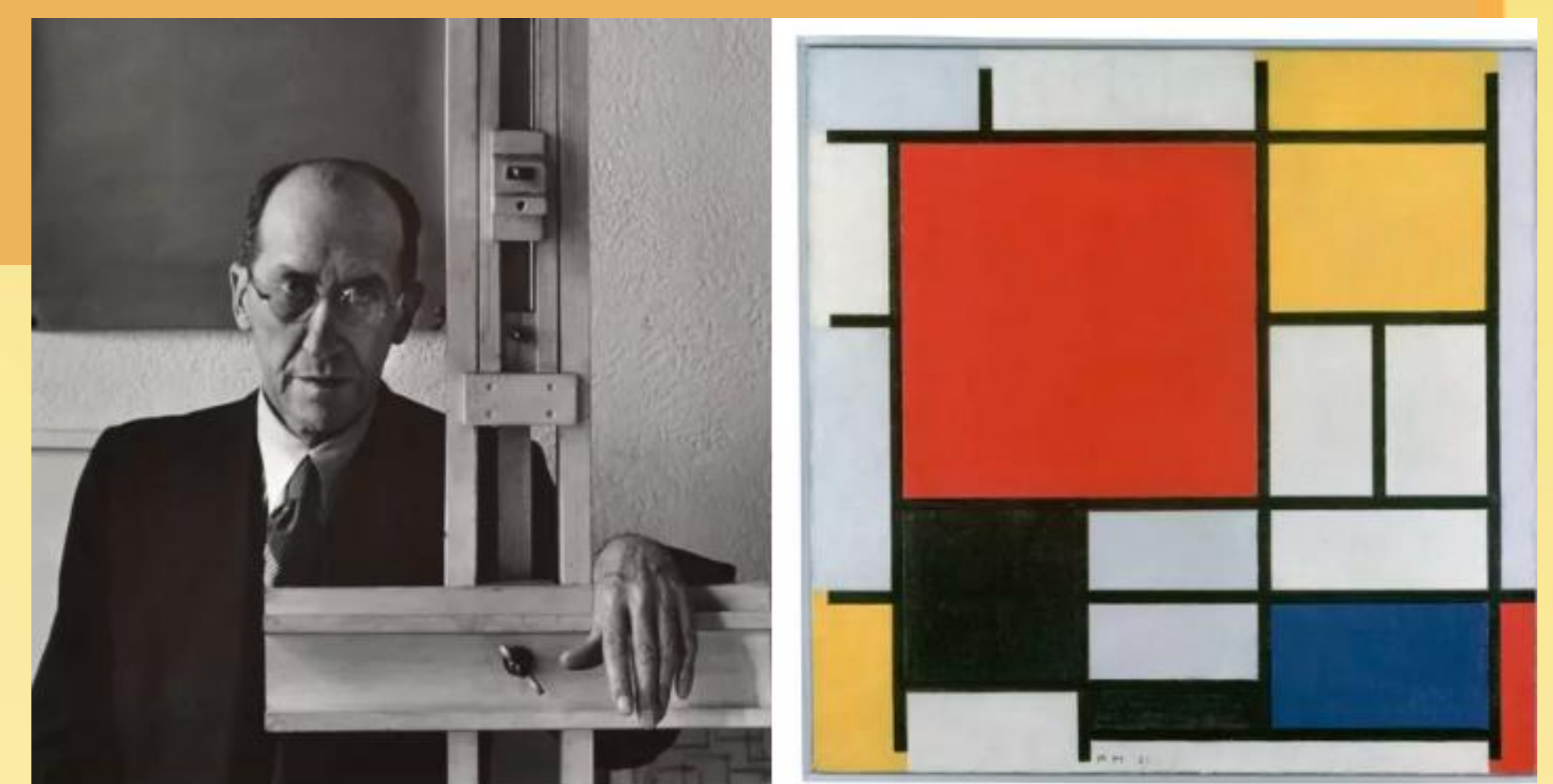


Artistic View

Mondrian is a very famous painter for his extremely abstract art. He is inspiration to many other artists. The one the most known piece of art is his painting "Composition".

It was painted in 1930 and greatly contributed to visual language despite using small canvases. It combines geometrical figures, which can be an excellent connection to geometrical lessons. Mondrian was also an inspiration to many other artists in the fashion and design industry.

Artist
Renata Zorić



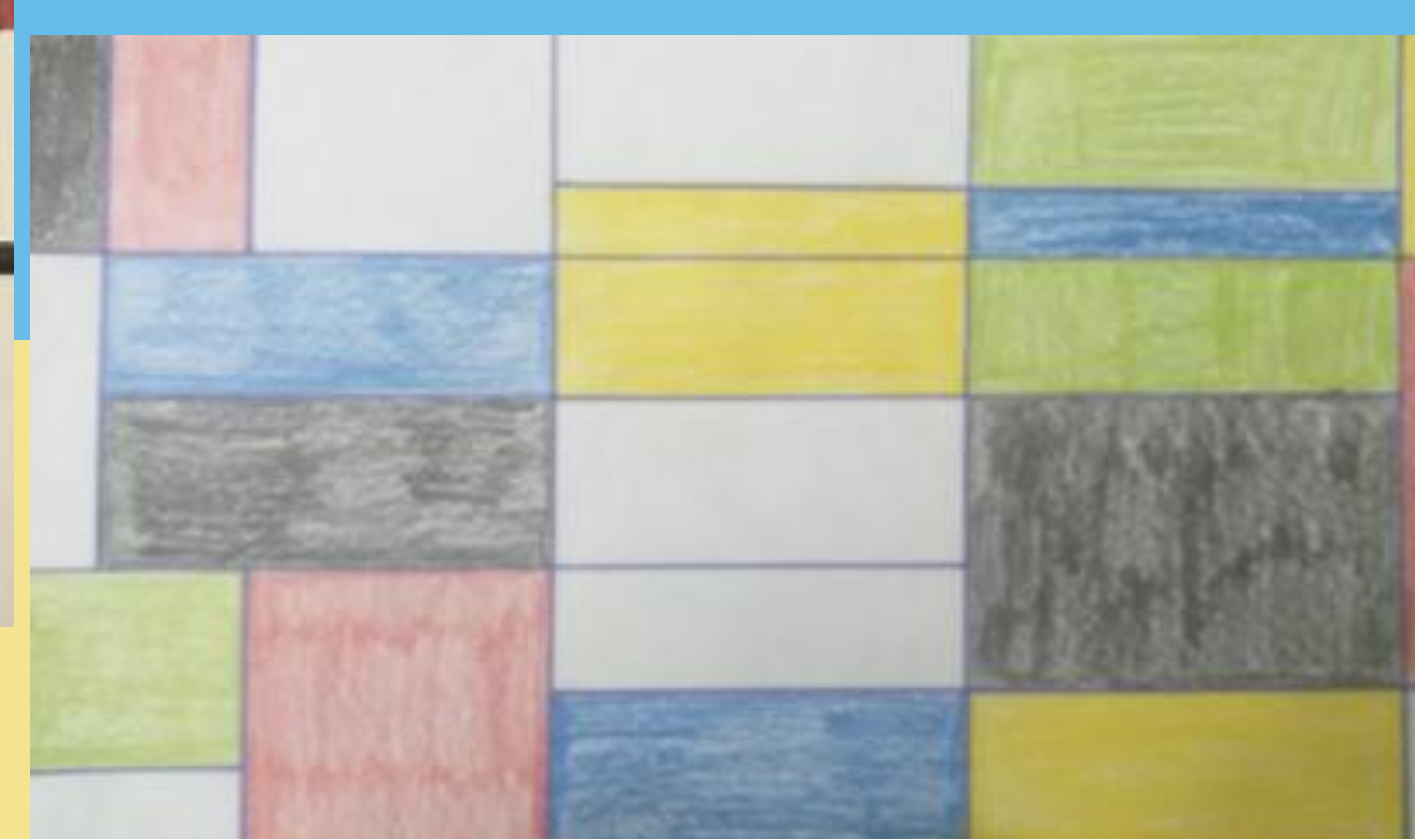
Common View

During this lesson, students will learn the basics of geometry, the connection between mathematics and art, and they also learn about Mondrian and his art direction. The lesson also enhances students' creativity. Students can explore mathematical concept of calculating areas of squares and rectangles, but also explore combination of colors and shades.

Students learned about mathematical properties of geometrical objects like triangles and quadrilaterals. Students revise calculating area of square and rectangle using formulas. Students will understand how to calculate area as the size of space of 2-dimenzional objects.

"Everything is expressed through relationship. Colour can exist only through other colours, dimension through other dimensions, position through other positions that oppose them. That is why I regard relationship as the principal thing."

Piete Mondrian



Co-funded by the
Erasmus+ Programme
of the European Union

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