

GEOMETRICIAN'S VIEWS

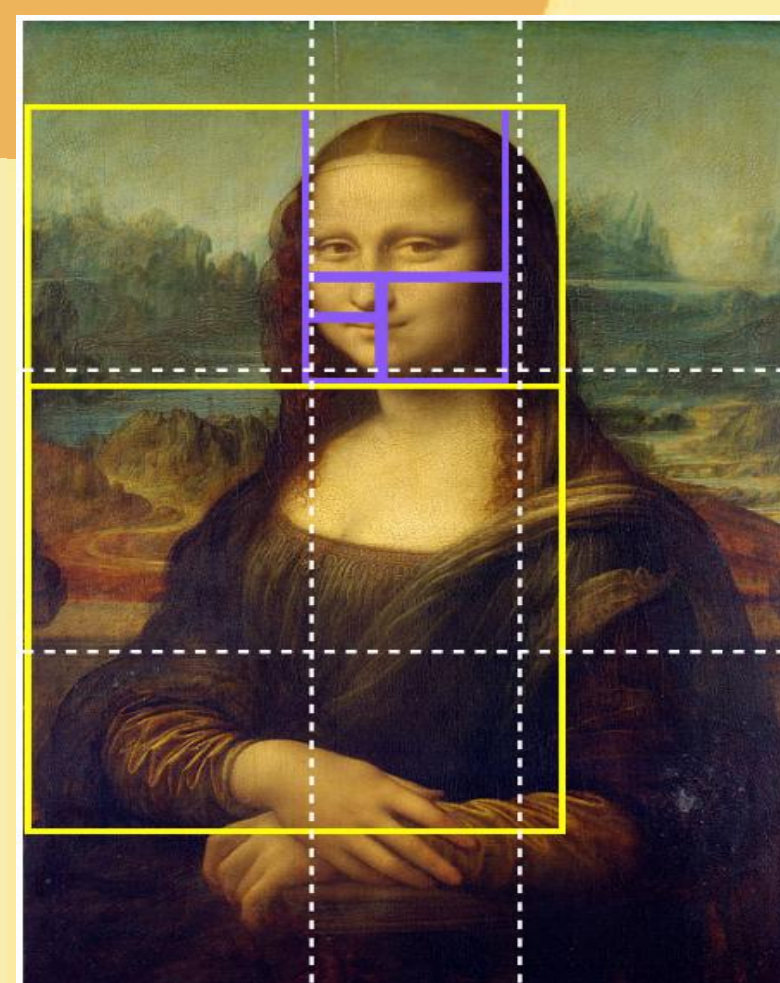
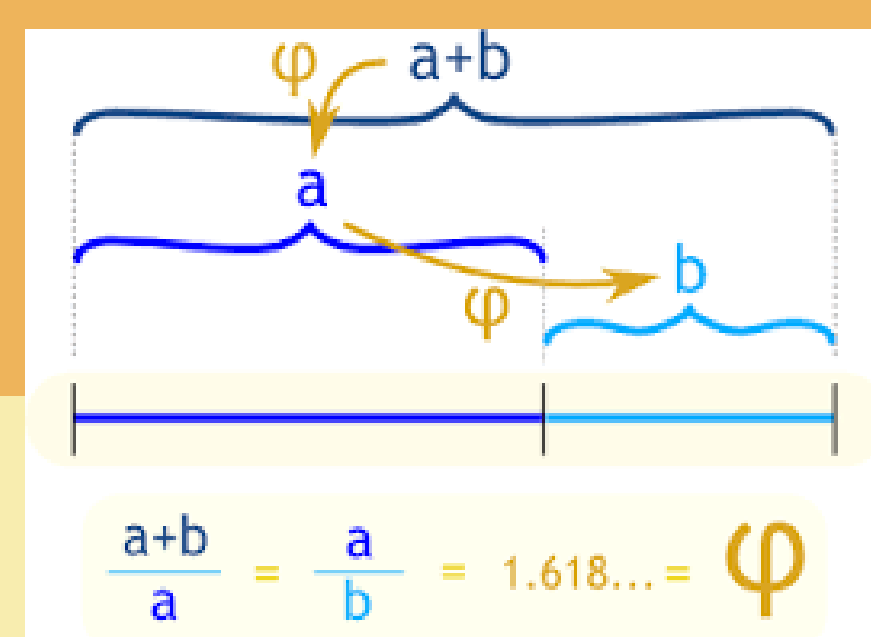
TOPIC: Leonardo Da Vinci

Mathematical View

The golden ratio is also called the golden mean or golden section. Many mathematicians since Euclid have studied the properties of the golden ratio, including its appearance in the dimensions of a regular pentagon and in a golden rectangle, which may be cut into a square and a smaller rectangle with the same aspect ratio.

The golden ratio has also been used to analyze the proportions of natural objects as well as man-made systems such as financial markets, in some cases based on dubious fits to data. The golden ratio appears in some patterns in nature, including the spiral arrangement of leaves and other parts of vegetation.

Researcher
Miroslav Novta

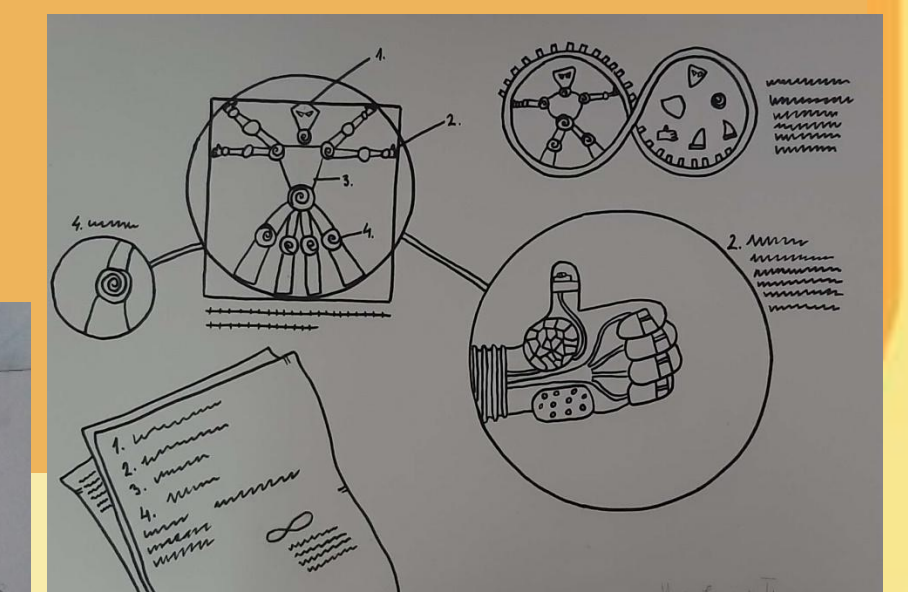


Artistic View

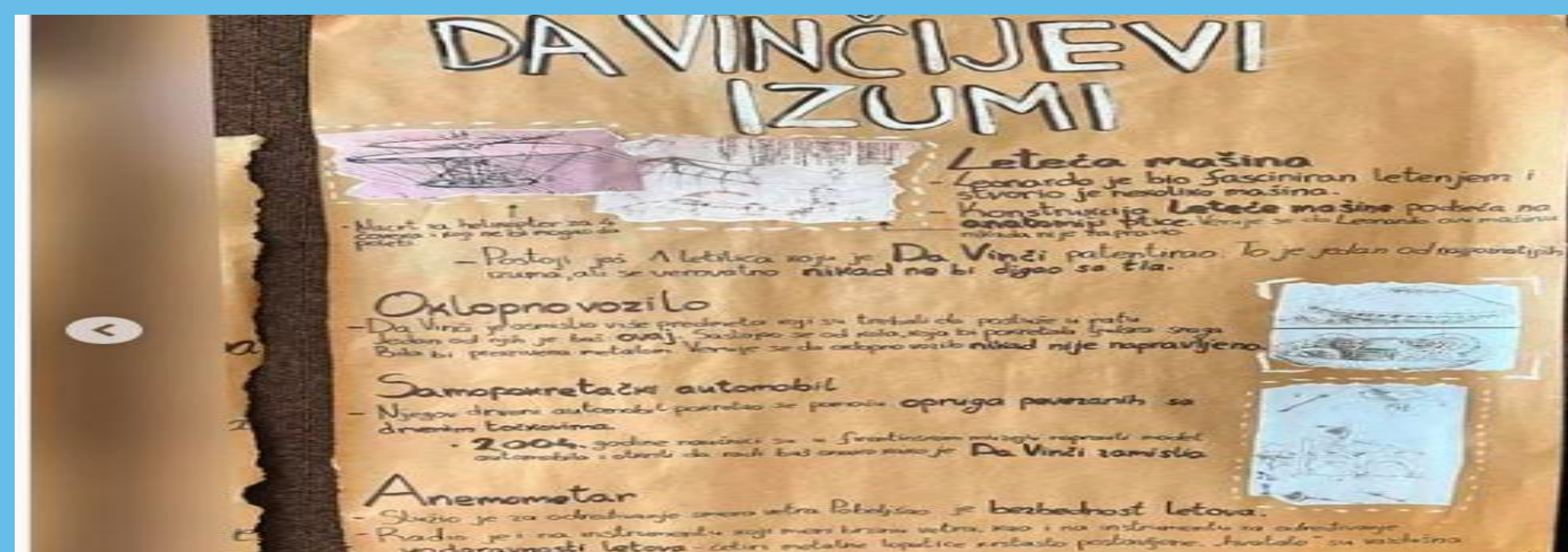
Leonardo da Vinci (1452-1519) was a painter, architect, scientist, and an inventor. He was well-known for his sketchbook collection. The aim of this activity students will observe, explore, and browse ideas and create imaginary solutions for the problems that surrounds us.

Leonardo's engagement still inspires artists and scientists all around the world. Leonardo was famous for his paintings and use of proportions and mathematics. Leonardo's pictures are very good examples of application of proportions in art.

Artist
Renata Zorić



Common View



Many artists and architects, including Leonardo da Vinci have proportioned their works to approximate the golden ratio, believing this to be aesthetically pleasing. These often appear in the form of the golden rectangle, in which the ratio of the longer side to the shorter is the golden ratio.

Students explore biography of Leonardo da Vinci. There are some of the facts that students should explore and know about his life: Leonardo da Vinci was a Renaissance painter, sculptor, architect, inventor, military engineer and draftsman — the epitome of a true Renaissance man.

Students explore artistic elements and look for inspiration in Leonardo da Vinci's work. The topic of their artistic work would be if Leonardo da Vinci alive today, what like would his painting would look like. This topic gives students an opportunity to explore connection between past and future, develop creativity and provide possible solutions for everyday problems. Beside students art work, students give their explanation of their work.

"All our knowledge has its origins in our perceptions."
Leonardo da Vinci



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

РУСКИ КРСТУР
ПЕТРО КУЗМЈАК
ОСНОВНА И СРЕДЊА ШКОЛА
СА ДОМОМ УЧЕНИКА

