

# GEOMETRICIAN'S VIEWS

## TOPIC:Tiling



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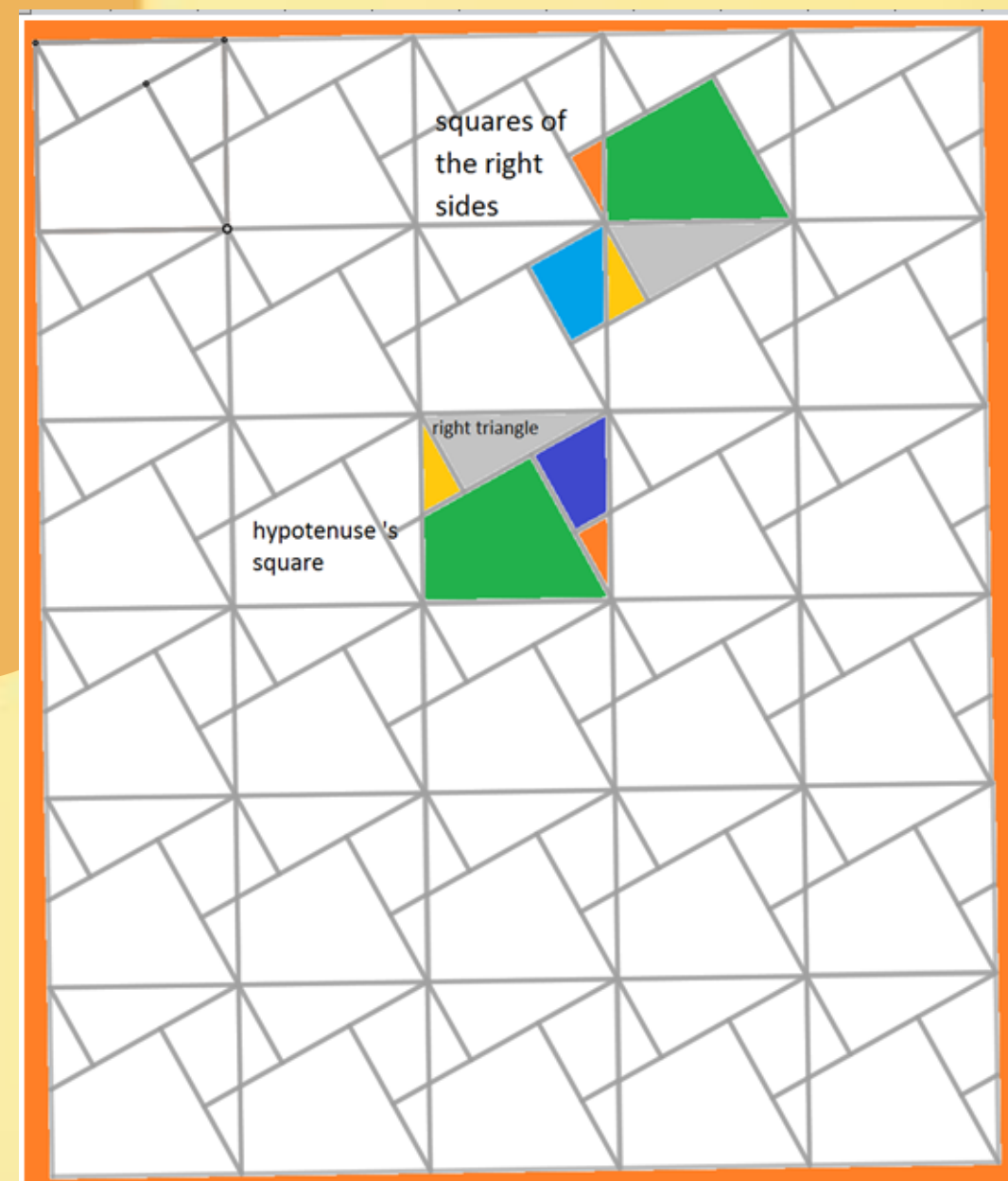
Erasmus+ 2020-1-FR01-KA227-SCH-095534

### Mathematical View

The construction of a Pythagorean tiling allowed students to practice the iterative mathematical procedure, typical of plane geometry. A tessellation or tiling is the covering of a surface, often a plane, using one or more geometric shapes, called tiles, with no overlaps and no gaps. In mathematics, tessellation can be generalized to higher dimensions and a variety of geometries. A periodic tiling has a repeating pattern. The activity was featured on April 6th, 2022.

#### Researcher

Emilios Vlastos, Filio Galou



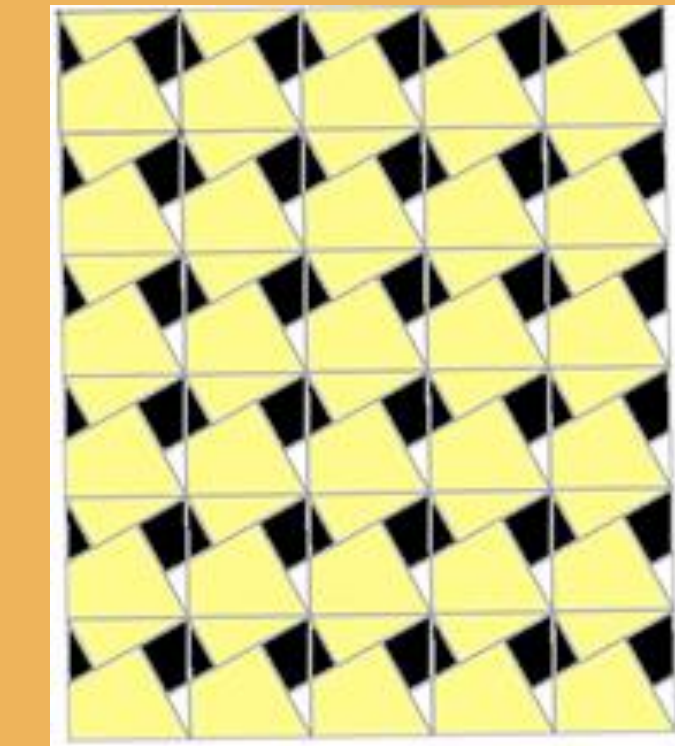
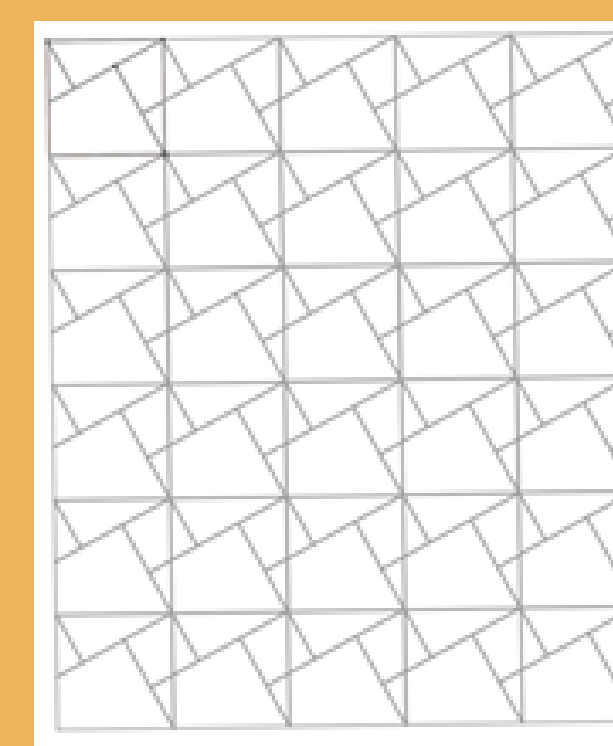
### Artistic View

#### Tiling

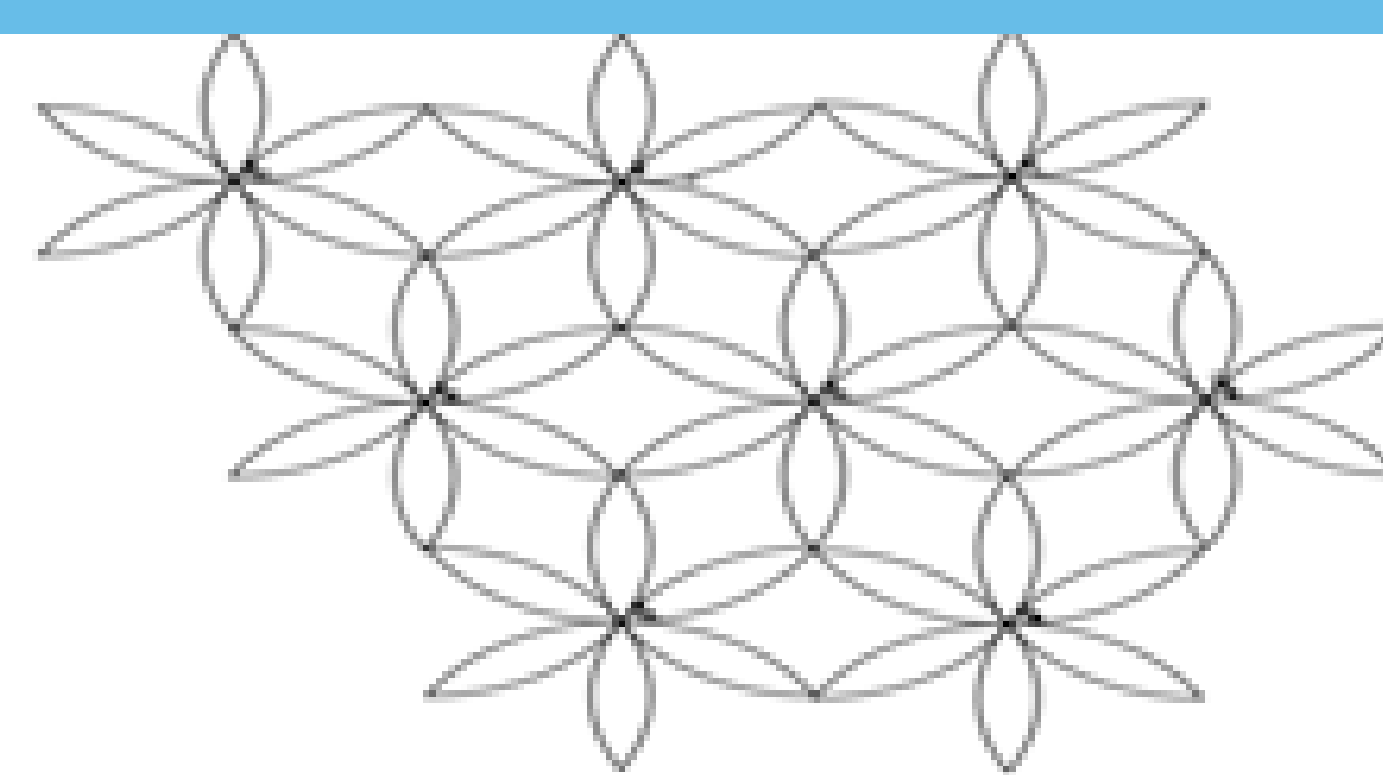
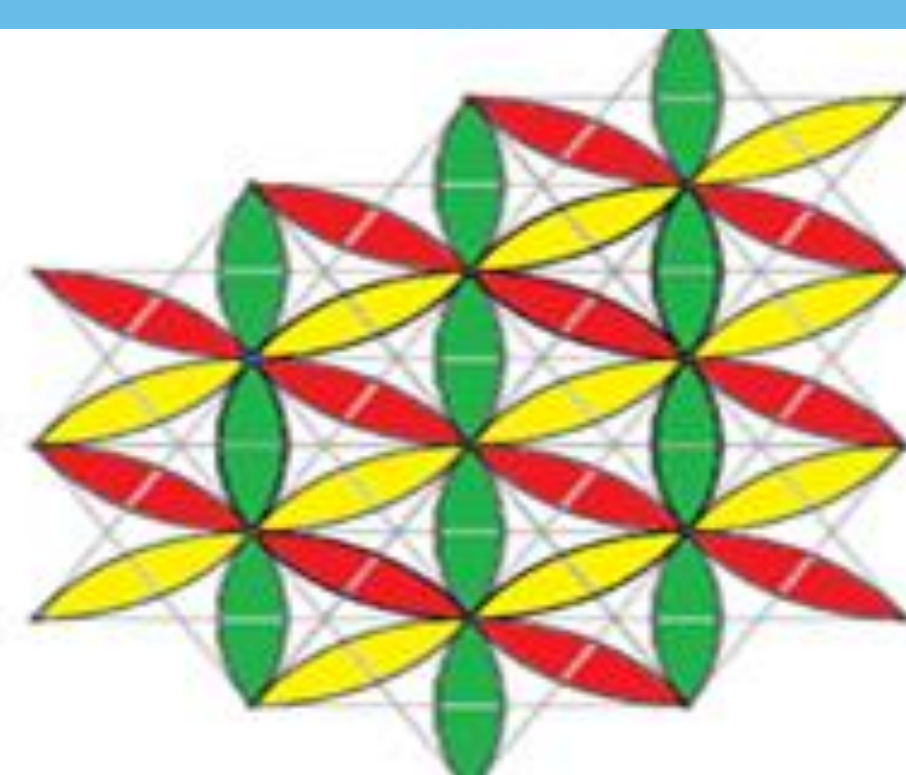
Students designed and colored Pythagorean tiling. They are also worked with geogebra's platform apps

#### Artist

Athina Kanata, Filio Bechraki



### Common View



#### Tiling geometry

there are many kind of arts that use tiling. Tile art includes other forms of tile-based art, such us mosaics, microsaics, and stained glass

*Justine Tatarski: Picasso said " to finish a painting is to kill it"  
So my aspiration is not to be a finished artist with finished paintings,  
but rather to finish off the internal judge and censor and become a  
master at the joy of doing*

