

Visual Mathematics in Practice

Name of the teacher:	Tatjana Stanković
Name and address of the school:	ETŠ "Nikola Tesla", Maksima Gorkog 7, Pančevo, Serbia
Theme of the lesson:	Isometric transformation
Place in curriculum: (type of school, grade)	The secondary school of electrical engineering 1st grade
Age of the students/pupils:	15-16
Title of the lesson:	Symmetry (reflection symmetry-line of symmetry and plane of symmetry, central symmetry); Translation and rotation

Description of the lesson

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Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
»10min	Introduction to lecture. Discussion about	Frontal work, work in pair,	Thinking, Transferring

»15min	<p>isometric transformation and its application in real life. Brainstorming.</p> <p>Lecture about isometric transformation and its application in art, in folk tradition, in architecture... (examples of images).</p>	individual work	<p>knowledge, creativity, developing practical and communication skills, deductive and inductive thinking, developing aesthetic skills</p>
»20min	<p>Pupils create drawings by using isometric transformations.</p>		
»5min	<p>Discussion about drawings and applied isometric transformation</p> <p>Inspiration came from: Jablan Slavik, Ljiljana Radovic, Andrea Sollazzo</p>		

Summary

It was very interesting,.

They were much more active and creative.

Supplements

Used materials:

*Jablan Slavik's lecture,
Ljiljana Radovic's lecture
Andrea Sollazzo's lecture*

Photos:

Here are some of their drawings:











