

Visual Mathematics in Practice



Name of the teacher:	Valentina Kreculj Terjeskova
Name and address of the school:	Branko Radicevic Grammar and Economics School Cara Lazara Kovin Serbia
Theme of the lesson:	Regular polyhedra
Place in curriculum: (type of school, grade)	High school, third grade
Age of the students/pupils:	seventeen
Title of the lesson:	Platonic solids

Description of the lesson			
Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
5min.	<i>I explained to the students that a student Korodi Zoli will display his presentation (in the English language), about geometry. They must try to learn terminology because we will later talk about that.</i>	<i>individual work, work in groups, project work(presentation)</i>	<i>REPRESENTATION spatial seeing, perception of spatial relations, presentation MATHEMATICAL COMMUNICATION relation vocabulary, reasoning, narrative memory, textual understanding, reading, attention keeping USING MATHEMATICAL AIDS AND TOOLS (IT INCLUDED): guessing, quantitative conclusion,</i>
10min	<i>We follow Zoltan's presentation on basic geometric notions such as vertex, the edges, sides, base, angle, regular polygons.... In this part of the lecture we learn the English terminology</i>		
20min.	<i>Students watched The Platonic solids video (YOUTUBE http://www.youtube.com/watch?v=voUVDAgFtho) and when it came to something interesting, Zoltan stopped the video and asked comprehension and prediction questions. Communication is also in English.</i>		
10min.	<i>I showed students Rinus Roelofs sculptures, and Zoom Tool. They want to have the opportunity to make sculptures like that, and work with Zoomtool. They found it very interesting to learn math in</i>		

	<i>that practical way.</i>	<i>measuring, deductive and inductive thinking, algorithymical thinking</i>
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Summary	
<p><i>The idea is to get students to listening to a lesson in mathematics on a foreign language. (Inspiration came as a result of lectures and workshops in the Summer School). It would be good if the Professor of English was present to correct mistakes, but on this way the students were free to ask questions or give answers.</i></p>	

Supplements	
Used materials:	<i>IT classroom with projector</i>
Photos:	