

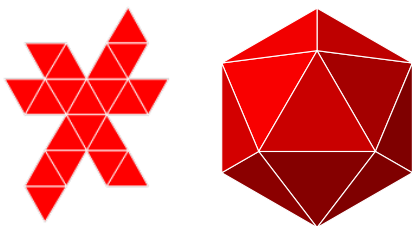
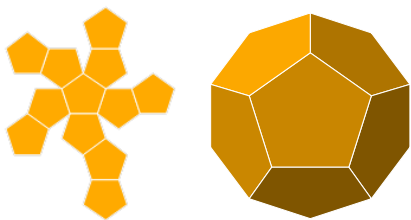
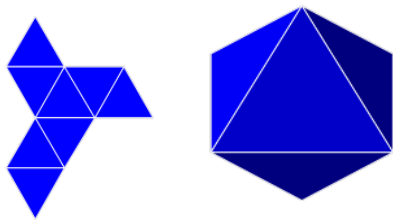
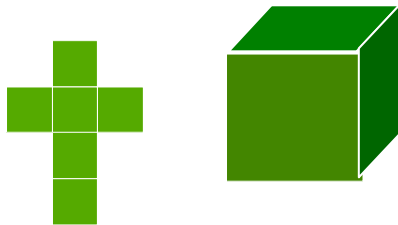
Visual Mathematics in Practice



Name of the teacher:	Milica Gladovic
Name and address of the school:	Technical School „Wood art”, Adress: Cara Dusana 23, 11000 Belgrade, Serbia
Theme of the lesson:	Polyhedra
Place in curriculum: (type of school, grade)	Secondary School, third grade
Age of the students/pupils:	17 years old
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
10 min.	<p><u>Introduction:</u> <i>Students are answering the following questions:</i> What are polyhedra? What are the characteristics of polyhedra? Do you know what are regular polyhedra?(For example, what is the tetrahedron?)</p> <p><u>Central part:</u> Pupils write the definition-</p>	<p><i>Reminding</i></p> <p><i>Group working</i></p>	<p><i>Ability of symbolical thinking, recognizing relations, looking, attention keeping, looking for connection, developing creativity</i></p>
30 min.	<p>Regular polyhedra is regular, convex polyhedron with congruent faces of regular polygons and the same number of faces meeting at each vertex. Five solids meet those criteria, and each is named after its number of faces. They are also called <u>Platonic solids</u>.</p>		

Students are divided into 5 groups and each group received one of the following figures on the left side to be connected and stick. After bonding and merging students receive the Platonic solids on the right side.



	<p><i>The final part:</i> Students receive homework to determine what it's the name of the resulting polyhedra and also to determine how many vertices, edges and pages it has. Each group will present result at the next class.</p>		
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Summary	
<p>The lesson was successful and interesting. Students have completed class very motivated to find the names of the obtained polyhedra and their characteristics.</p>	

Supplements	
Used materials:	papers with a figure, glue
Photos:	no