

Visual Mathematics in Practice



Name of the teacher:	Andjelka Simic
Name and address of the school:	High School "Branislav Petronijevic" Ub, Serbia
Theme of the lesson:	polyhedra
Place in curriculum: (type of school, grade)	High school, third grade
Age of the students/pupils:	17
Title of the lesson:	The regular polyhedra, Platonic solids

Description of the lesson			
Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
15 min	<i>Teacher gives a presentation about five convex regular polyhedra, known as the Platonic solids. Students recognize the relationship between the number of vertices, edges, and sides of each polyhedra; students write the corresponding formula (Euler's formula).</i>	<i>Frontal instruction</i>	<i>spatial seeing, perception of spatial relations, creativity, planning, looking for connection, deductive and inductive thinking, attention</i>
20 min	<i>Students work in groups. Each group makes one of the five Platonic solids using straws.</i>	<i>Group work</i>	<i>keeping communication</i>
10 min	<i>Each group presents their work, say the name of polyhedra and the characteristics of polyhedra</i>		

Summary
<i>Students were pleasantly surprised and motivated to work.</i>

Supplements

Used materials: *Straws, scissors*

Photos:

