Visual Mathematics in Practice

Name of the teacher:	Diana Pavlović
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Theme of the lesson:	Polygons
Place in curriculum: (type of school, grade)	Primary School, seventh grade
Age of the students/pupils:	13 years
Title of the lesson:	Polygons

Description of the lesson

Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
10 minutes	*Reminding what are polygons, parts of the polygons (vertex, side, angle, diagonal) about convex and non-convex polygons, interior and exterior of polygons.*	*Work in cooperative groups.*	*Mathematical, thinking, problem posing and solving, modeling, using mathematical aids and tools.*
5 minutes	*What are regular polygons (triangle, quadrilateral, pentagon, hexagon, heptagon….. regular polygon with n sides and angles)* *Dividing polygon to simpler polygons, in purpose of easer computing the area of the polygon, and seeing what their properties are. Teacher gave an example of regular hexagon divided into six regular triangles and two division of octagon.*		

5 minutes	*Some examples why are we studying polygons. Where can we find them in the world around us? Why are they so pleasing to our eyes?*		
20 minutes	*What is tangram? What is mosaic? Pupils are solving tangram problems and making their own mosaic out of small polygon shaped papers different colors.*		
5 minutes	*Comparing each other's works, designs, and problems they have solved.*		

Summary

Teacher: New way of keeping lessons is more interesting to children. I find it more amusing to teach, and it is definitely more interesting in the class for me also.
Pupils: Children liked new way of teaching math. It was interesting; it was not old and boring math. They liked it and they all participated in discussion giving all sorts of examples.

Supplements

Used materials:	*Lap top, projector, polygon shape confetti, tangram, glue*
Photos:	