

Visual Mathematics in Practice



Name of the teacher:	Silvana Živković
Name and address of the school:	O.Š."Đura Jakšić"-Zrenjanin
Theme of the lesson:	Motion
Place in curriculum: (type of school, grade)	Elementary, VII
Age of the students/pupils:	14 years
Title of the lesson:	Motion in a straight line under constant acceleration (area under the line on the motion diagram)

Description of the lesson			
Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
5-7min	<i>With the help of the teacher students retraced the velocity graph, after which they were presented a tangram. They were also taught that the distance the body travels is equal to the area under the line of velocity graph.</i>	<i>Working in pairs</i>	<i>Development of analytic ways of thinking, magnification of concentration and paying attentions stimulating the ability of deducting and simplifying the problems.</i>
25-30min	<i>The pupils got questionnaires with graphs in which pieces of tangram could be assembled (the whole or just the half). The task was to calculate the distance the body travels. From the tangram the students deducted the motion.</i>		
5-7min	<i>The students presented the results of their 'measurements'. Inspired by Ilona's Téglási workshop</i>		

Summary

Throughout the whole class students were concentrated, and worked sedulously and devotedly. Moreover, the pupils were very excited, inspired and eager to work. They left the class happy and smiling.

Supplements

Used materials:	<i>Questionnaire</i>
Photos:	