



Lesson Plan

Title	Statistics
Aims of the lesson:	The aim of the lesson is to introduce the topic of statistics. Despite the very large relationship with reality is not easy subject for teaching.
Learning Outcomes	Students learn the basic knowledge about statistics. Due to practical exercises they practice counting skills. ICT skills through use of Excel.
Methodology	Introductory presentation Work in groups
Resources	Classroom Dice
Content of the classes	The lesson starts with the introduction of the topic of statistics. Despite the very large relationship with reality is not easy subject for teaching. The reason is that different types of data are used to surveys and child usually receives them from the book. The interest of the student may occur when he/she is involved in the process. Therefore practical exercise with dice is introduced.
Practical exercise	<p>Students perform the exercise with the dice. Students working with the dice and filling a specific sheet prepared by the teacher - independently discover the secrets of the dice. The rules of the game - initially student throws the dice 50 times and saves the number of points every time. They count how many time the threw 1, 2, 3, 4, 5 and 6 The same exercise is performed with two dices. They also do the statistical summary of the exercise. The next step is to work with Excel spreadsheet.</p> <p>Students enter all the results. They individually use of the function "count if" and then draw up bar charts. After analyzing the results, students make a presentation.</p> <p>The next step is to bring together in one sheet of the results obtained by all students. This shows how the results change depending on number of people participating in the study.</p> <p>The last step is a individual creation of Gaussian function.</p> <p>In the summary basic concepts, exercise on pole or wheel diagrams or most well-known normal distribution are practiced. Depending on the group, the topic could be extended with</p>





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	exercise on diagrams showing temperature changes on different continents.
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