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Lesson Plan

Title	Geometric constructions - regular polygons
Aims of the lesson:	The aim of the lesson is to introduce the topic of geometric constructions from regular polygons. Teaching geometry always makes a huge problem, probably due to the fact that teachers themselves have problems with "geometric seeing ", and a good understanding of the subject requires many hours of work with students, for which teacher usually does not have time.
Learning Outcomes	Activities outside the classroom. Students learn the basic knowledge about the geometrical constructions- regular polygons and practice building polygons. The interest in and understanding of the concept of regular polygons through so broadly conducted classes is greater as at regular activities in classroom.
Methodology	Introductory presentation Groupwork
Resources	Activities Outside the classroom Materials nails, string, funnel and flour
Content of the classes	The lesson starts with introduction to the topic of regular polygons. It starts with the question: "WHAT CAN YOU SEE?". It is one of the fundamental questions, to which answer is expected because this can determine what the student knows about the vocabulary and what particular geometric element is for him/her.
Practical exercise	The lesson outside the classroom includes creating regular polygons (hexagon, pentagon, heptagon, and five-pointed star and a seven) with the use of nails, string, funnel and flour. Students in groups of 3 persons, on the grass, must make structures that were previously studied in the computer and on paper. The effects are very interesting. It shows very clearly the student's self-reliance, ingenuity and resourcefulness. The polygon has actually a perfectly equal sides if the design is made properly.

Lifelong Learning Programme

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