



Lesson Plan
Interactive Lesson

Title	Regular polygons
Aims of the lesson:	The aim of the lesson is to introduce the topic of 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	Students learn the basic knowledge about the regular polygons and geometry. The interest in and understanding of the concept of regular polygons through so broadly conducted classes is greater as at regular classes. The classes enable students to master the concepts: the tessellation tip, classic Archimedean tessellation, properties of regular polygons and their angles, perigon - 360 degrees.
Methodology	Introductory presentation Groupwork
Resources	Computer lab Poly Pro programme CABRI programme
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. The topic of regular polygons start with the Platonic and Archimedean solids. The aim of the course is to teach to "see" and "understand" the solid, mainly its naming. The classes begin with working with Poly Pro programme, where students are sked to find the football. As we know, football is icosahedron. During the search the students view dozens of solids. They watch,





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	observe and draw conclusions. Preparing the presentation finishes the first stage of the game with solids and the regularity.
Practical exercise	In 5 th grade students work on tessellation. Students learn the structure of regular polygons learn about their features in the CABRI programme. They create a presentation on the works of Maurits Escher. Students cut out coloured polygons and independently prepare large banners with tessellation in A2 format.



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