



Lesson Plan

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| Title | Area of geometric figures |
| Aims of the lesson: | The aim of the lesson is to introduce the topic of area of geometric figures. 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. The concept of the surface, the calculations associated with the area is one of the most difficult skills for students. |
| Learning Outcomes | Students learn the knowledge about the area of geometric figures. The students are able to count the area. This lesson gives students understanding of the calculations associated with the areas and usefulness of the topic in school. Awareness of students is extended and freedom of calculations as well. Lesson includes activities outside classroom (DIY store). |
| Methodology | Introductory presentation Groupwork |
| Resources | Activities outside the classroom ICT facilities and programmes for design |
| Content of the classes | The lesson starts with introduction to the topic of area of geometric figures. 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. When the first and fundamental elements associated with the calculation of area are mastered practical exercise in DIY store is organized |





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| <p>Description of the practical exercise</p> | <p>Students visit DIY store. They are supposed to choose a wall and floor tiles, bathtubs and other fixtures in order to design a bathroom and a kitchen at home.</p> <p>Notes drawn in the store are very important because based on them one will be able to make calculations and valuations of all the costs associated with arranging a "virtual bathroom and kitchen." Students must remember about showers cubicle, tubs, paint for walls, tile adhesive and grout.</p> <p>Working on the project takes about a month. Starting from the sketches, the 3D projects in the relevant computer programs by preparing and developing the proper presentation, which shows detailed calculations for a particular tile on the walls and floor.</p> <p>In the case of a simple pattern tiles teacher interferes into the project, so that the consciousness of the student in the proper preparation of the estimate is larger.</p> |
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