**CLIL lesson – 1.**

**Subject: ENGLISH/MATHS**

**Teachers**: Mgr.Králiková Lucia and Mgr.Mária Mocsiová (Maths teacher)

**Class:** 9.A

**Lenght of lesson**: 90 minutes

**Topic:** Contents, perimeters and volumes of bodies

### Teaching methods: Teacher-Centered Instruction,  Cooperative Learning, practical learning

**Training aids**: different measuring aids, rulers, internet

**Educational goals:** The main goal is to teach students to work in groups and to know the difference between concepts such as content and volume

**Vocabulary:**

OBJEM – VOLUME

OBSAH- CONTENT

OBVOD – CIRCUMFERENCE

RULERS AND GAUGES

**The structure of the lesson: 1.motivation discussion**

 **2.students divided into groups and drawing a task**

 **3.reading text in English and understanding it**

 **4.practical measuring in classroom**

 **5.counting and searching on internet**

 **6.presentation of each group a their results**

**Main activity: blending real-life situation with mathematical theory and financial literacy**

**Evaluation/Assesment: each group´s presentation was evaluated oraly and positives were picked –up**

**MATERIALS STUDENTS WORKED WITH:**

Topic number 1: **painting the classroom**

The task – to compile a price calculation for a classroom painting

* Calculate the amount of white paint needed to paint the classroom walls
* Find out the price of paint in an available store
* Compare the found price with the price calculation determined by the schol

SET –OUTS (things needed):

- various gauges-rulers...

-calculator

-internet

-the paint is painted on the prepared wall in 1 layer without thinning (no water added to it)

-the school has got a budget 30 EURO

Conclusion: information about the obtained data, comparison

Topic number 2: **new classroom floor**

The task- to compile a price calculation of a laminate classroom floor

* To count a needed amount of flooring, mat and skirting board
* -find the final price

SET-OUTS (things needed):

-calculator

-price list: laminate flooring 1 package-1,5 m² .........price for m² -12 EURO

-mat: 1 package- 10 m² .......price for m²  - 3 EURO

-skirting board 1 piece lenght 2 500 mm.....price for 1 piece – 4 EURO

Conclusion: information about the obtained data

Topic number 3**:the amount of air in the classroom**

The task: find out how much m³ air is present in the classroom provided by the fact the all Windows and doors are closed

* Count how many  %  from the given area is occupied by furniture (just bigger pieces)
* Find out how manz students can be present in a classroom, if 1 student equals 4 700 dm³ o fair according to standard hygiene regulations
* -count, how much does air in a classroom weigh, if we know 1 liter of air is – 1,2930 g

SET-OUTS (things needed):

-calculator and various gauges (rulers....)

Conclusion: Information about the obtained data

 PHOTOS FROM LESSON:



  

