

SECONDARY SCHOOL IONEL TEODOREANU, IASI, ROMANIA
TEACHER: LAZARESCU RALUCA

LESSON PLAN: GEOMETRICAL
SHAPES - PROPERTIES

RESOURCES: MCME

LEVEL: **SECONDARY**

GENERAL GOALS:

Students will know and use geometrical shapes and their properties (parallelograms and special parallelograms – rectangle, square and rhombus) in math problems.

NEW NOTIONS:

Parallelogram, rectangle, square, rhombus

REQUIRED PRE KNOWLEDGE:

Students know about geometrical shapes, triangles and their properties

SPECIFIC OBJECTIVES (specify skills / information that will be learned):

Students will do the difference between parallelogram and special quadrilaterals (rectangle, square and rhombus) and their properties

Students will solve problems regarding the properties of parallelograms..

MATERIALS NEEDED:

- Paper and pencils
- video projector
- computers

OTHER MATERIALS NEEDED: (apps or programs):

- Webpage Kahoot: (<https://kahoot.com>)
- Webpage Voki: (<http://www.voki.com>)
- Dialog
- PowerPoint presentation from Prezi

TEACHER

STUDENT

INTRODUCE THE WHOLE NUMBERS

- starts PowerPoint presentation
- explains the parallelogram concept
- discusses (together with the students) the parallelogram properties and differences against special parallelograms (rectangle, square and rhombus).

SUMMARIZE

- at the end of lesson summarize the special quadrilaterals and their properties

APPLICATIONS

- two different type of applications are solved together with students
- present the applications on the Kahoot webpage.

- watch the PowerPoint presentation, ask questions about the content and answer to the teacher questions regarding this lesson, ...

- use Voki - http://www.voki.com/vp-editor/preview_export/impress.php?VpID=1050617#/step-1

- listen the summary.

- actively participate at solving the applications under the direct supervision of the teacher
- solve the applications on the Kahoot webpage (<https://play.kahoot.it/#/k/d5b62b9f-9187-4933-a1f5-12ff2b28619a>) that use the knowledge learned during the lesson.