

Chapter 1

Title: "Discovering flat figures all around"

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Geometry outdoor lesson-

Introduction

Drawing real objects where to highlight the presence of flat figures

Learning outcomes:

- 1) Drawing flat figures by using simple tools like a ruler, a set square, a compass.
- 2) Analysing significant elements (sides, angles, diagonals, medians, height, bisector, axis) of the main polygons.
- 3) Classifying polygons with reference to the length of sides and measures of the angles.

Tools:

- 1) Sketchbook
- 2) Pencil and rubber
- 3) 30, 60 and 45 degree angles set squares
- 4) Compass
- 5) Ruler
- 6) Interactive whiteboard.

Activity (description)

- 1) The first step of our activity will take place in class. It is a summarized lesson on the main polygons and their features by using the interactive board
- 2) The second step of our activity will take place outdoor. Students position themselves on chairs arranged in a circle, they observe the space surrounding and draw real objects (trees, houses, etc). after that, they highlight the presence of flat figures by using simple tools, (ruler, set square, compass).
- 3) The third step of our activity will take place in class, students analyse the main features of polygons relative to the length of sides and measures of the angles.

Teacher's comments after learning checking

I find extremely useful take advantage of outdoor activities, students through the direct observation of surrounding spaces, experience the pleasure of drawing, exploring and analyzing shapes to practice basic geometric principles.

FINAL COMMENTS

Through the direct observation of reality, Students can find the chance to focus some geometrical notions . The period of the whole activity is three hours, or more if you want to go into techniques in more depth

Supplementary material

Links to blog, videos, etc.

<https://animoto.com/play/UhfFXISqwHRFrMftzGjTUg>

<https://twinspace.etwinning.net/45380/materials/videos>



