***“GEOMETRY OF MONUMENTS”***

*How the Geometry can be found in the most important European Monuments*

**1st teaching period**

***1st Activity: Introduction***

Time: 30’

Type of activity: Discussion about the aim of the project

Class organisation: Discussion in class

Actions/Tasks: The teacher presents the project and the different steps needed to accomplish the mission.

***2nd Activity: The Geometric Shapes***

Time: 30’

Type of activity: Web research, video projection and use of interactive tools

Class organisation: Discussion in class

Actions/Tasks: Teacher and students use the Internet Connection to make researches about the basics of Geometry, such as triangle, rectangle, square, circle.

Links:

1) <https://7esl.com/shapes-vocabulary/>

2) <https://myenglishtutors.org/shapes-names/>

3) <https://7esl.com/mathematical-terms/#List_of_Mathematics_Vocabulary_Words>

As homework students have to write a brief description of the possible representations of the above-mentioned shapes in our daily life.

**2nd teaching period**

***1stActivity: Geometry in real life***

Time: 30’

Type of activity: Discussion on web researches and creation of a list

Class organisation: Class work

Actions/Tasks: Students work on the results of the researches they have done at home.

Links:

1) <https://www.makemytrip.com/blog/most-famous-landmarks-europe>

2) <https://www.easyvoyage.co.uk/news/where-to-go-top-landmarks-monuments-europe-74618>

They make a connection between the shapes and the most iconic monuments in Europe and create a list picking 4 of them.

The monuments are:

1. Colosseum in Rome.
2. The Louvre in Paris
3. The Parthenon in Athens
4. Brandenburg Gate in Berlin

***2ndActivity: Creation of Groups***

Time: 30’

Type of activity: Creation of Groups

Class organisation: Project work in groups

Actions/Tasks: Students are divided into 4 working groups; They are chosen randomly by the teacher; Each group is assigned one European monument.

**3rd teaching period**

From this teaching period on the students work on digital platforms, using e-learning methods because ofCovid-19 outbreak and the world wide lockdowns, in line with the direction of national healthcare authorities and the World Health Organization.

Once a week the teachers plan videoconference and giving students the proper input in order to work efficiently.

***1st Activity: Creation of pattern of the European Monument***

Time: 60’

Type of activity: Drawing and creation of patterns through online platforms

Class organisation: Project work in groups

Actions/Tasks: Each group of students create a pattern of the European Monument chosen, based on the geometric figures.

**4th teaching period**

***1st Activity: Paper Craft Model***

Time: 60’

Type of activity: Creation of paper craft model

Class organisation: Project work in groups online

Actions/Tasks: Students cut the patterns they have previously drawn and create a paper craft model of the European monument chosen.

**5th Teaching period**

***1st Activity: Video editing***

Time: 60’

Type of activity: Video Making

Class organisation: Project work in groups online

Actions/Tasks: Students discuss about the tools and the techniques used to create the paper craft models and they make photos and video of their activities.

They use the program <https://filmora.wondershare.com/it/> to collect and edit the videos.

**Differentiation**

1. Searching critically on the web and through digital tools;
2. Summarize a digital text by creating mind maps and underline the keywords;
3. Developing the ability to find, evaluate and summarize the materials found online;
4. Encouraging student autonomy;