



# LESSON PLAN

## Who is Afraid of Mathematics ?

**Category:** MATHS IN ART

**Title of the activity:** Introduction of the architecture's mathematical aspects from after Christ to XIX<sup>th</sup> century

**Year Group:** 5 (12 years old)

**Teacher:** Benkéné Orovecz Judit

### Learning Objectives:

- Knowledge development
- Preparation of planar and spatial geometrical forms
- Handicraft development
- Aesthetic sense improvement
- Practice of measurement
- Development of space vision and imagination

### Success Criteria:

- Cooperation and teamwork skills development while working on various tasks.
- Developing observation strategies while planning.
- Self-improvement in tolerance towards everyday life's problems.

### Resources:

- cardboard paper
- colourful pages
- scissors
- sticks
- callipers
- ruler
- crayon
- painting tools (paint, brush)
- Laptop (for projecting the pictures)
- Photocopier

## **Lesson Description (including context):**

The students will make models of famous buildings from different countries taking part in the *Who is afraid of Mathematics?* project. Today they will prepare the model of the City Hall in Stockholm and the Colosseum in Rome.

## **Differentiation:**

There were four students in a group. Both girls and boys were working together. The group forming was also according to their abilities. One student was nominated as the leader of the group and was in charge of the process of the group's work.

## **Introduction:**

The descriptions of the materials were given prior to the main lesson. (The history of the Colosseum and the City Hall)

## **Main Lesson:**

First, the students received the graphic images of the Colosseum and the City Hall. Second, we talked through the working process, then students got all the steps including also the personal ones. When they read through the tasks, they received all the materials and resources what they needed.

### **Task:**

Measurement and drawing of the City Hall/Colosseum based on the projected technical drawing. Editing the completed forms (cutting, and then sticking them to the base board, drawing of the environment).

At the end, we compared the final models to choose the best one based on the positive features of that piece of art.

## **Plenary:**

We organized an exhibition for students and parents to show all the outstanding works that our students created.

As for the future, we are planning similar projects also for next year because students had the chance to accomplish some challenging activities, which boosted their self-confidence and self-esteem.

## **Teachers:**

Benkéné Orovecz Judit

# PHOTOS

