



# LESSON PLAN

## Who is Afraid of Mathematics?

**Category:** Math in architecture.

**Title of the activity:** Famous buildings.

**Year Group:** Forms 1-6

**Teacher:** Class teachers

### Learning Objectives:

- To develop imagination and 3 D thinking.
- To encourage the use of mathematical skills in practice.
- To increase students interest about word wide famous buildings.
- To provide a cross-curricular link and to bring real life into the classroom.

### Success Criteria:

- Students are able to find information about famous buildings in the books, on the internet.
- Students are ready to tell the general information about the famous buildings to their classmates.
- Pupils are ready to choose the most appropriate materials, to use them and create the final product.
- Students are ready to cooperate and to work in small groups.

### Resources:

- Different kind of recyclable materials.
- Materials for sticking parts together and colouring.
- Internet for searching the information about famous buildings.
- Pictures with famous buildings.
- Video- Famous Buildings Of The World In Miniature <https://www.youtube.com/watch?v=JgYP53D9j7g>

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

This activity could be done in craft lessons or set as creative afterschool project. Pupils individually or in groups prepare a model of a famous building in their country or choose any all around the world, present it to the classmates. The most successful works are exhibited in the hall.

## **Differentiation:**

Students choose if the work will be done individually, in pairs or small groups. Pupils can freely choose the materials they are going to use for the work, the size of the final product. Students may ask for a help to their siblings or parents.

## **Introduction:**

Teacher shows a presentation of different famous buildings and small videos about a Bekonscot model village and Famous Buildings Of The World In Miniature.

Asks students if they have visited any model theme parks, about their feelings while they were walking around.

## **Main Lesson:**

Students try to guess the country in which buildings are located and when they are built, the kind of materials are used. Why some of buildings are in so good quality till nowadays.

What should be attention paid at when someone is making the model-scale relationship, materials, architectural details etc.

Teacher invites students to create a local school's model village.

Pupils work individually or in small groups to find a picture and a description of the building on the internet. They make their own model and present it to their classmates, telling about the chosen material, working process and the most important details of the building.

Students together with a teacher decide which are the most successful works to be exhibited in the hall.

## **Plenary:**

Students of different age groups are very interested in this activity and take part in it with great pleasure. Their works are very creative, interesting and well made.

**Teachers:** Class and Math teachers

# PHOTOS

