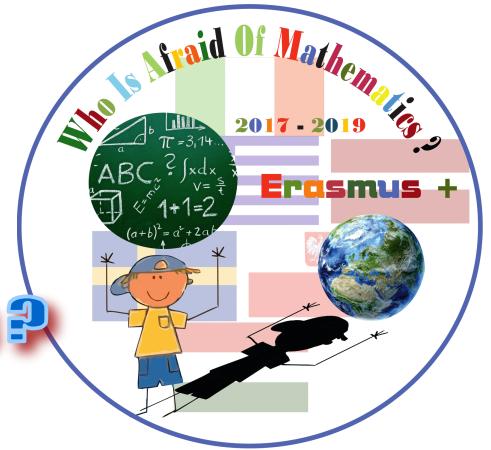


# LESSON PLAN

## Who is Afraid of Mathematics ?



Category : MATH IN GEOGRAPHY

Title of the activity: What's the time around the world?

Year Group: Grade 4 (10-11 YEAR)

### Learning Objectives:

Making the students aware of that time change depending where you travel in the world and at the same time learn how many hours divides the countries depending if you travel east, west, north and south.

### Success Criteria:

Every student draw a country or a city from somewhere in the world and locate it on a map. Every student get different countries and cities.

### Resources:

Maps  
I-pads  
Papers with a clock with no hands.

### Lesson Description (including context) :

We introduce the activity by watching a film about the timelines. As the curriculum for the compulsory school in Sweden says "the students are going to get strategies in mathematic to solve plain problems for everyday use. They are also going to get strategies to create different texts where words, pictures and audio interact. The students are also going to get strategies to search information from different sources on the internet, compare and evaluate these.

The students are going to make "clocks" that shows the time in their country or city. The purpose with this activity is that the students are going to get knowledge of the different parts of the world and that time changes.

**Differentiation:**

By using I-pads all students can work with this assignment in their own way and use their own native language to search for information about “their country or city”.

**Plenary :**

The students got a great understanding of how time changes depending on where they travel in the world. They also got a better understanding of the points of the compass. They enjoyed their work.

**Main Lesson:**

While making their clocks the students had to practise the points of the compass to know how many hours that changes if they travel east or west.

**Introduction:**

We started by showing a film about how time changes around the world depending in what part of the world you are. When it is day in Sweden it is night in Australia.

We put a timeline on the whiteboard and talked about negative numbers that are to the left which is the west on the map.

Then we introduced Greenwich time which is 0 and compared Sweden to Great Britain. The difference was + 1 hour because we travel east from GB. So the more east you travel you have to add an hour and the opposite if you travel to the west. If you travel north or south the time will also change.

# RHOTOS



