**MR.BOW Lesson plan**

**Title: Calculate Your Travel**

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**Subject: Math, Science**

**Aim of the lesson**

* **practicing calculating distances on a scale**
* **practicing skills of travel planning**

**Age of students 8-10**

**Time**

Preparation time: 90 min

Teaching time: 90 min

**Teaching material**

Online:

* *tablet*
* *quizizz.com (https://quizizz.com/admin/quiz/5cdeba296ed94a001ae0af42)*

Offline:

*For each group: a map of a selected country/countries; rulers, calculators, markers, sheets of paper*

**21st century skills**

* life and career skills
* information, media and technology skills

**Lesson Plan**

|  |  |  |
| --- | --- | --- |
| **Name of activity** | **Procedure** | **Time** |
| 1. Introduction; reminding the information about scale | Presentation and brainstorming | 10 min |
|  |  |  |
| 2. Work with tablets and Quizizz applicaton | In groups of 4, students solve a quiz on calculating the distance into the scale on a map.  | 15 min |
|  |  |  |
| 3. Discussing the difficulties in the quiz | Class work.  | 10 min |
| 4. Explaining the rules of teamwork | Distributing the tools to the group and explaining the rules of working in teams.  | 10 min  |
| 5. Working with the map  | In groups, the students interpret scale from the map. They measure the distance between cities/town/places chosen by teachers. Then they caluculate the real distance. Next, they add the distance and calculate the distance of a whole travel in a given country (maximum 4 sections) | 35 min |
| 6. Summary | Class work. Comparing solutions. Discussion about difficulties during work.  | 10 min |

**Assessment**

*During summary.*

**Student feedback**

During summary and in the individual conversations after the classes.

**Teacher feedback**

The distances prepared by the teacher should be easily calculated in integers.