Lesson Plan – Statistics Map

Goals:

To comprehend the relationship between statistics expressed in percentages and indexes of geography.

Commented description of materials to be used:

The Statistics Map consists of the Map Grid indicating the borders of the geographies and four sets of blocks, which are also color coded to represent the population of the relevant geography.

Remarks:

The Attica region is part of Greece.

Strategies:

Once the learner places all the blocks on the board, they can carefully move the whole set to reveal the grid. The revelation contains a surprise element for the learner, as they will be able to see the difference between the comparison of the geographies as opposed to the comparison of the corresponding populations.

Suggestions:

Prompt the learners to find the difference in percentages and ask them what this means for the population density of each geography.

Appraisal / Evaluation of Students:

The number of colored blocks assigned to geographies is not exact. Some have a surplus and others have a deficit, making the use of some white blocks necessary.

Suggestions:

You should ask the learners why they have white blocks too, in order to direct them to consider if there is an exact number of blocks for each region

Assessment of lesson:

The evaluation is conducted based on the ability to express the percentages on the grid without being influenced by the initial borders, while using as few white blocks as possible.

Suggestions:

It is best to surround the white blocks with colored ones, so as to create the contrast at the borders

Closure:

Conclude with an overview of the activity, as well as the key points and have the learners consider any analogies with other puzzles or problems they have solved. Collect feedback regarding any improvement and/or adjustments to be made.