Name (Nazwa)
The Biggest Towns in the Country

Subjects (Przedmioty)
Geography, IT

Grade Ranges (Poziom/klasa)
7, 8, 9, 10

Languages (Języki)
Polish, English

Materials Needed (Potrzebne materiały)
Internet, spreadsheet

Communications (Komunikacja)
On paper

Target Groups (Grupa odbiorców)
Pupils

Authors (Autorzy)
Witold Kranas

Introduction (Wprowadzenie)

What are the most important towns in your country? Probably these are the biggest towns and region capitals. What should we know about the towns? Where can we find the newest information? Which of the Internet encyclopedia allows to find useful information?

Task (Zadanie)
Look at the prepared table (Spreadsheet - NajwMiastPl0.xls). There are a lot of cells to fill.
Try to find in the Internet suitable information and complete the table.
Whilst it's important to have uniform data, choose as a data source one of the Internet encyclopaedias. Compare different encyclopaedias available on-line.
Using a spreadsheet formula calculate a population density in all the towns.
Construct the graphs illustrating gathered data.

Goals (Cele)
Understanding the role of the biggest towns in the country and knowing the most important data about these towns.
Ability to use the Internet encyclopaedias.
Ability to process data and construct graphs in a spreadsheet.

Process (Przebieg)
Looking through the data in a spreadsheet (NajwMiastEn0.xls) – guided by teacher.
In column B there are towns names, in column C – the number of inhabitants. In the next column (D) we started to fill the surface area, but this is done only for first 4 towns. And similarly with the next columns. Only in column E there is no need to search for data: population density t.e. average number of inhabitants per square kilometer you can calculate dividing the number of inhabitants per surface area (formula =1000*C4/D4 in row 4).
Where to find the data? You can search the Internet, but the quickest and easiest way is to use one of the Internet encyclopedias.
Comparing different Internet encyclopedias.
Filling the table with the data.
Processing the data to calculate population density (should be guided by teacher).
Sorting data using different criteria, constructing graphs (should be guided by teacher).

Sources (Źródła)
Uniform data about the towns could be found in one of the Internet encyclopedias:
http://pl.wikipedia.org (pl.)
http://encyklopedia.pwn.pl (pl.)
http://encyklopedia.interia.pl (pl.)

http://www.wikipedia.org (ang. +…)

Product   **(Wynik/produkt)**
Spreadsheet filled with the data about the towns.

Structure   **(Strukturyzacja)**
Medium

Cooperation   **(Współpraca)**
Medium

Reading Level   **(Poziom umiejętności czytania)**
High

Time   **(Czas trwania)**
2 hours

Linked Assignment ID   **(ID ćwiczenia pokrewnego)**
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Date   **(Data)**
2005-11-05