Type of material: Lesson plan

Subject: Geography
Topic: DRAWING AND INTERPRETATION OF CLIMOGRAPHS

General competencies developed during the lesson:
Computational thinking
Transdisciplinarity (GEO, ICT)
Digital study materials developed for the lesson:

Digital sources used for the lesson:
http://www.climatemps.com/
https://www.weatherbase.com/
http://www2.arnes.si/~mpavle1/klimogram.html

General Objectives:
Students will:

- develop the ability to search, collect and process online information, data and concepts and use it for learning

Geography Objectives:
Students will:

- distinguish climate types using climographs
- understand and evaluate the impacts of the climate on the economy and daily human activities

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1. Lead-in

a) What is a climograph - students form a definition
*A **climograph** is a graphical representation of a location's basic climate. It is useful tool to quickly describe a location's climate.*
A **climograph** (sometimes referred to as a climate graph) is a specialist graph used by geographers to show two things:
- how the temperature changes throughout the year
- how the amount of rainfall varies during the year.

b) What data do we need for creating a climograph
- monthly average temperature (a **line** graph)
- monthly average precipitation (a **bar** graph)

b) Where can we find data for drawing a climograph?
        Using smart phones students try to find:
        - a web page with weather data for Slovenia
        - a web page with weather data for the world

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2. Drawing climographs – OPTION A

Type of material: Lesson plan

Students:
- pick a name of a city/place
- find data (monthly average <u>temperature</u> and monthly average <u>precipitation</u>) on
http://www.climatemps.com/
- create climograph using http://www2.arnes.si/~mpavle1/klimogram.html
- determine climate type

3. Drawing climographs – OPTION B

Students:
- pick a name of a city/place
- find data (monthly average <u>temperature</u> and monthly average <u>precipitation</u>) on
http://www.climatemps.com/
- create climograph in Excel
- determine climate type

4. Conclusion