



STEM for inclusive schools
Project number:
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STEM for inclusive Schools

WP2 – Activities

Worksheet – Health Study in the community

Data Science / IT / Math (*August 2024*)

Paderborn University

Project Title: STEM for inclusive Schools

Acronym: STEMInSCH

Reference number: 2023-1-DE02-KA220-000000

Project partners:

- P1 University Paderborn (UPB), DE
- P2 Universitatea Dunarea de Jos din Galati (UDG), RO
- P3 Scoala Gimnaziala Nr. 7 Galati, RO
- P4 Siec Badawcza Lukasiewicz - Instytut Technologii Eksploatacji, PL
- P5 Inovatif ve Girisimci Toplum Dernegi, TR
- P6 Sucessos Criativos, Lda, PT



Worksheet for the Activity:

Health Analysis for your community

name of the activity

Task description:

Time to finish the task: 2 weeks

Supplies:



Running GoogleForms

<https://docs.google.com/forms/u/0/>

Running Excel for data analysis and design of graphics:

<https://scratch.mit.edu/>

Pencils, etc. to fill in this worksheet. Paper to write down first ideas of the health care study before filling in the worksheet.

Method:



Creativity task combined with brainstorming and survey design according to the steps of creating a quantitative questionnaire. The learners use GoogleForms or create paper-and-pencil survey. They analyse gathered data and create a report on the results.



Instructions:

After talking about your experiences with health and health care systems in class and in groups, please, meet in a group of 2 to 4 persons. You have to create a study on health and health care in your community. Please, do brainstorming and create an idea how the study could look like and document this. After that create the questionnaire and take the phases and steps of creation into account. You can create a paper and pencil questionnaire or a questionnaire in GoogleForms. Take some time and conduct the survey with at least 50 participants. Every group member should spread the questionnaire in your community. Analyse the data using Excel and calculate the frequencies of the answers and the means of the items in your questionnaire. Interpret the results in a report and provide recommendations for local health care. Fill in the tables!

Your group name:



Write the names of your group members in the box:





Graphics and Tables:

Write down your idea for your study on health care:



What are the steps and phases of a survey construction which you have to take into account?





Write down the five main results of your data analysis!



Result 1:

Result 2:

Result 3:

Result 4:

Result 5:



Write down the five main results of your data analysis!



Result 1:

Result 2:

Result 3:

Result 4:

Result 5:



**Write down three recommendations for local health care
based on your survey!**



Recommendation 1:

Recommendation 2:

Recommendation 3: