CLIMATE PROJECT - PLANNING SHEET

Title: FRIDAYS FOR FUTURE

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Age: 13-14

Content:

Surveys and Statistical data processing related with water consumption habits, electricity, ecological footprint,... by groups.
Part 1: Create a yes-no online survey about the topic that they choose.Two lessons.
Part 2: Receive the results of the survey and process the data with Excel. Three lessons.
Part 3: Interpret the data and create a report and a motto for a demonstration. Three lessons.

Development goals:

Students will be aware of which topics are important and choose one of them, and search for information related to it.
Students learn how to analyze statistical data and how they can get this information by using a survey.
Students learn to use different digital tools to create surveys and how to check the answers to their questions.
Students learn how to work together through the whole process.
Students learn the parts of a report and how to use Excel and Word. In addition, they learn to build graphs and how to import information from the Excel to the Word.
Children learn how to analyze the registered data on the app (CO_2 level, temperature, humidity and atmospheric pressure) as well as on the graphs.

Planning:

Watch a video (in resources) to motivate the students.
Explore different topics through thinking routines.
Prepare the surveys and send them to be answered.
Analyze data and write reports.
Viewing the results and your personal comments on the topic.
Creation of a motto for the demonstration.
During it, the motto will be explained and how it was arrived at through the results obtained.

Resources:

Materials: video, computer and beamer, Wi-Fi, tablets with Excel and Word, cardboard and markers.

Space: classroom, school entrance door.

Media: https://www.youtube.com/watch?v=z4vHLa36Wsg

Feedback:

For the activity students need electronic devices and knowledge about statistical data processing.
Some of the difficulties that we have faced are related to Wi-Fi issues and incompatibility with the Microsoft apps.
The time scheduled planned should be sufficient for students to obtain enough and relevant data, so that they don't have to do homework to finish it properly.