

Electric Vehicles

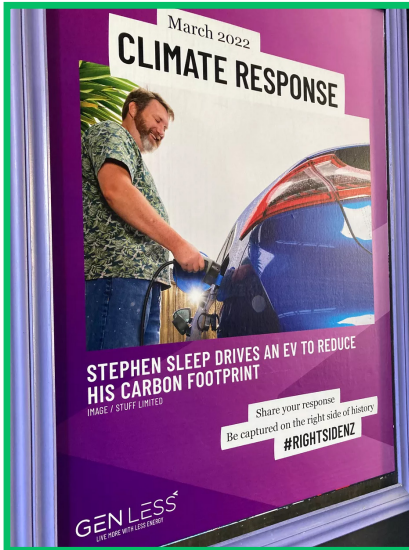
The future or downfall of sustainable transportation?

Electric vehicles (EVs) have been one of the most influential innovations in the industry of sustainable transport. But just like any other technical advancements, there are problems. In our society we find many different opinions on them.

Let's find out what your school and friends think about EVs by **conducting a survey!**

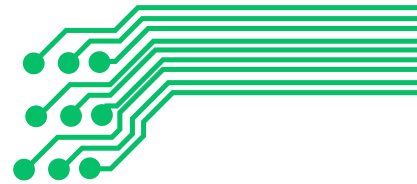
think!

First, you need to think about what you already know about EVs and the topic of sustainable transportation. What is sustainable transportation? How can it be "sustainable"? Are there any other things that come to your mind?



What do these images have **in common** and where do they **differ**?

Debate with a partner!



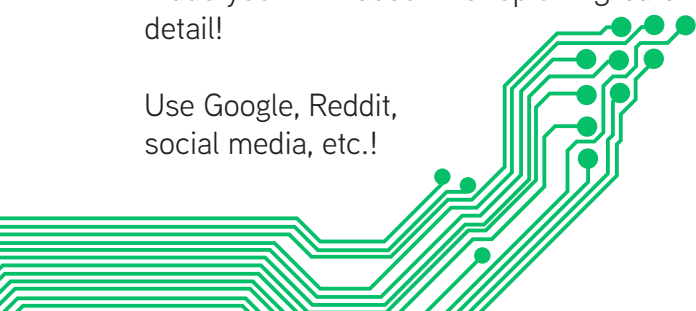
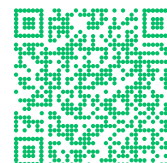
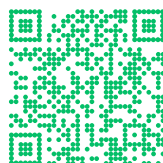
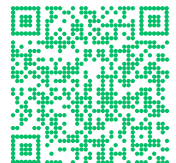
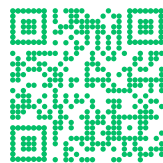
Now you have to find out more! What is good about EVs and what needs to be improved? What other options do you have in the field of sustainable transportation? Do Germany and NZ differ in their strategies for sustainable transportation? Think and read critically!

research!

In groups, use your laptops or your smartphones to **gather information** that you find interesting. What facts were surprising to you and why? Look out for numbers, opinions and arguments that made you think about the topic in greater detail!

Use Google, Reddit, social media, etc.!

Need inspiration?



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data!

After you have gathered even more information, you can start designing your survey. To begin with, you have to learn about the **types of data** you can gather. There are two different categories. You can write down some key information about them by skimming over the short passages below the headlines "What is ... data?" in [this](#) article:

What is quantitative data?

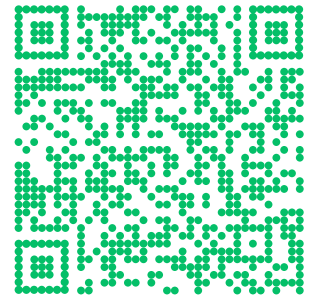
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What is qualitative data?

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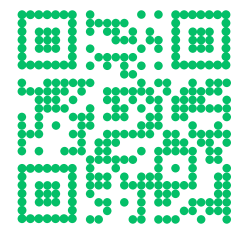
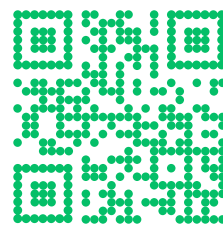
For designing questions, you also need to have a short insight into the technical possibilities of our survey tool: [mentimeter.com](https://www.mentimeter.com). You need to create yourself an account to design a survey, for which you unfortunately need an e-mail account. If you want to avoid using your private e-mail, simply use muellmail.com, but be aware that you cannot re-enter your muellmail account after closing your browser or the tab! Note down your Mentimeter password to later log in to your fresh account.

tools!

After creating the account, you can design a new "presentation", which will be used to host your survey questions. After adding a new slide, you can select the type of slide. **Play around** with different possibilities to get a glimpse of what kind of questions you can ask in your survey.

[Mentimeter.com](https://www.mentimeter.com)

[Muellmail.com](https://muellmail.com)



questions!

After learning about the types of data you can obtain, it is now time to formulate questions to finally set up your own survey. Work together in groups and use the information you found out online about EVs to decide on a topic that you want to ask questions about. What do you want to find out with your survey? What were the most surprising facts? How can you ask intriguing questions? Do you want to ask about the opinion of the participants of your survey or about their state of knowledge about the topic?

Make your questions as **short and simple** as possible! Aim for 5-8 questions that cover both qualitative and quantitative data points. After creating those questions, it's time to integrate them into the survey slides on Mentimeter.

Tip: Use multiple accounts from your group, as you are limited to 3 questions per free account.

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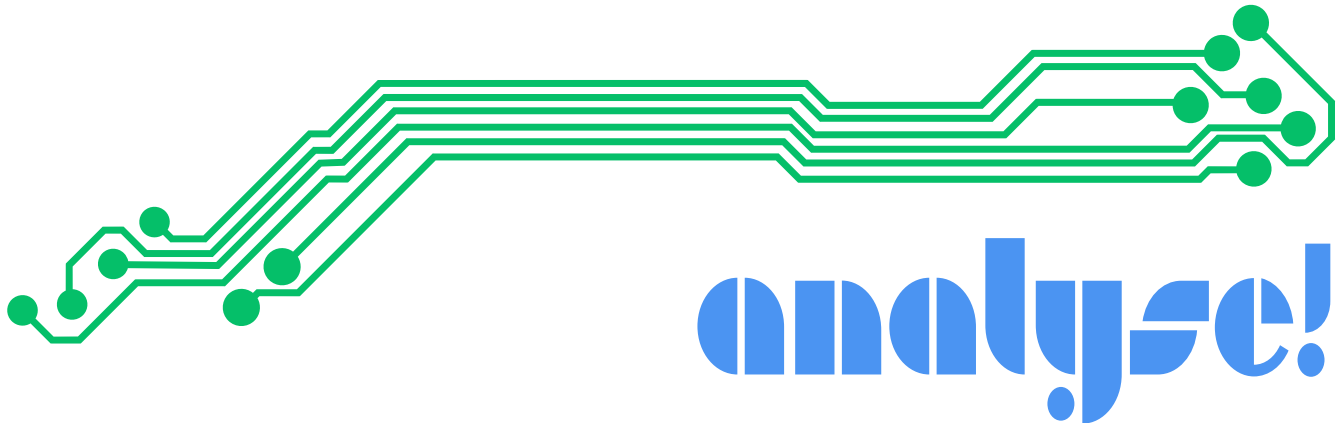
survey!

After creating the survey slides, it's now time to find some school mates and friends to take part in the survey! Keep track of how many people took the survey. You can also post a link to your survey on social media

platforms like Facebook or Instagram to gain more exposure and to gather more reliable data. You should, however, think about who you want to take part in this survey. If you want only students of your school to take part, you should maybe ask them in person between the lessons.

Who is your **target group**? How can you reach them?

Don't forget to take a screenshot of your final Mentimeter survey results!



analyse!

It is finally time to look at the gathered data! Analysing can be difficult, but luckily Mentimeter already presents visualized representations of the data points for you. Now it is time to think about what these data points **actually mean**.

Can you make out a trend in your data? What has surprised you? Have you come across answers that were not in line with the information you researched beforehand? Why could that be? Have all the questions been understood well?

present!



Use the slides from Mentimeter and **prepare a short presentation** of your results. You can use all the information you gathered and the results from your analysis to make a compelling short presentation about your main topic. Also have a look in the skills section in your textbook for further help!

What have you focussed on? What have you read about in the beginning? Did your survey help you to prove your point, or were the answers different from your researched information? Where could that difference come from? Do you trust your survey more than your research?

You can use Canva as a free online presentation tool or use conventional programs like Microsoft PowerPoint.

