



Sustainability in Vocational Education

Biodiversity & Travel



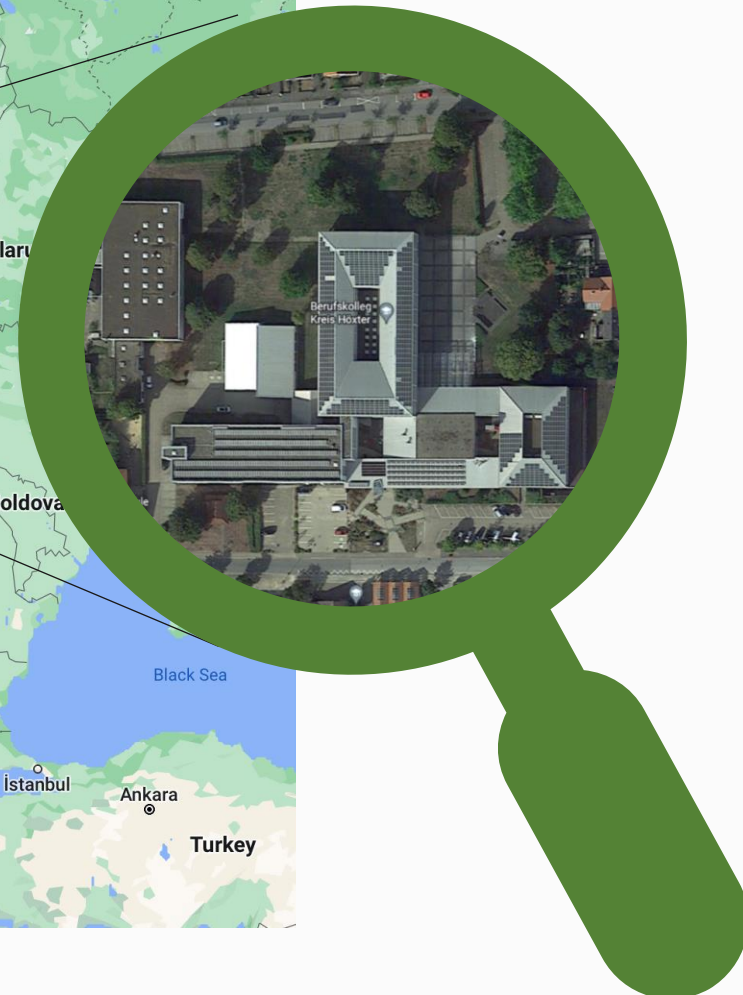
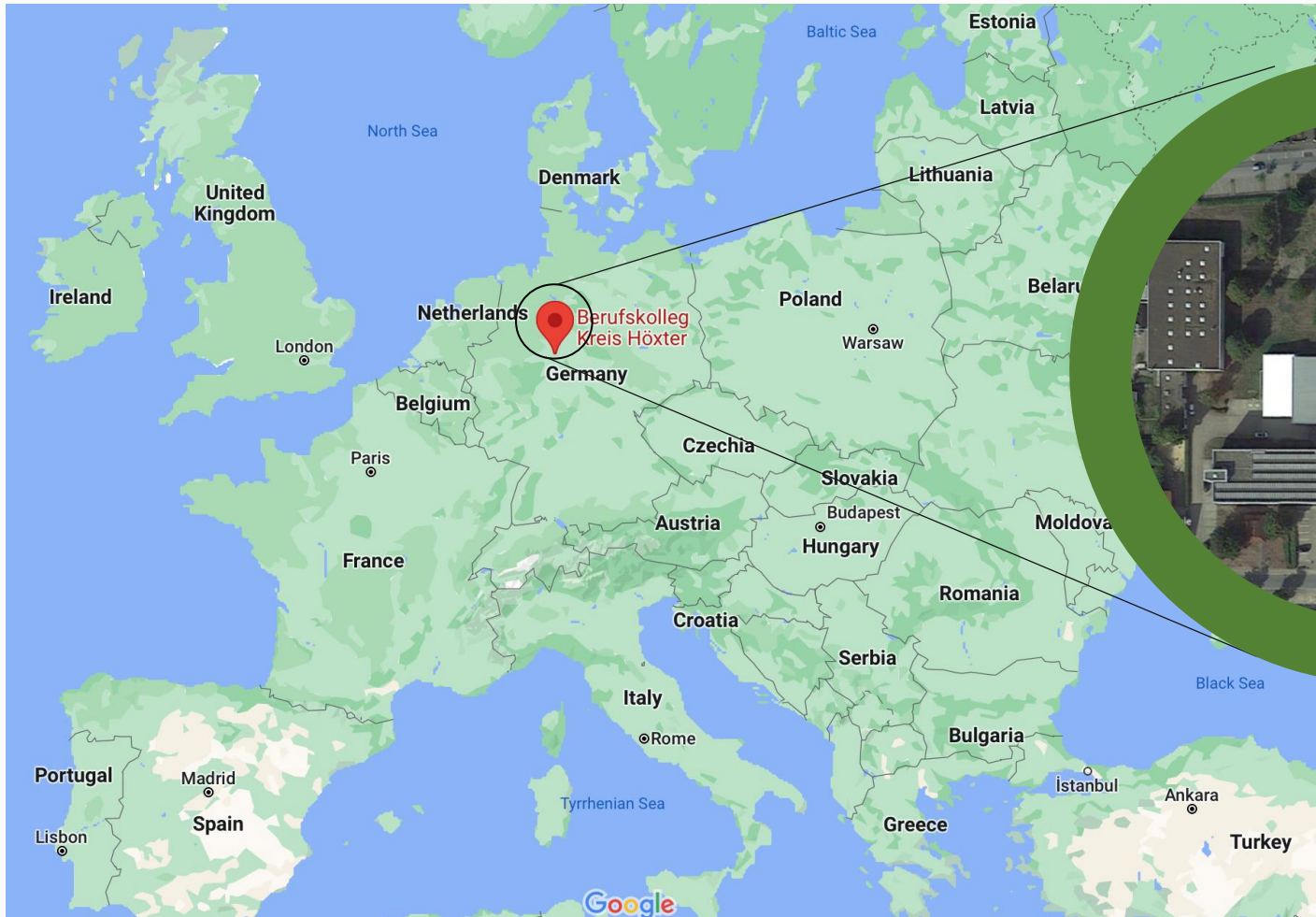


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Our School – Berufskolleg Kreis Höxter



Our School – Berufskolleg Kreis Höxter



Brakel




- 1.722 students
- 95 staff

Höxter



- 662 students
- 41 staff

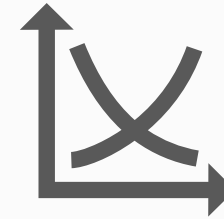
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- 2.384 students
 - 136 staff
- 

Our School – Berufskolleg Kreis Höxter

Five fields of study



Medicine



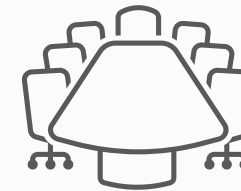
Economy



Social Studies



IT and Engineering



Management





Biodiversity

Current project: School garden

before...





Biodiversity

Current project: School garden

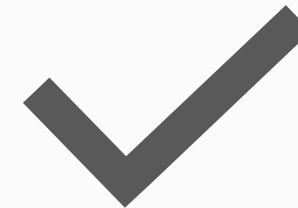
Purposes



More nature



More sustainability



More user orientation





Biodiversity

Current project: School garden

after...



Berufskolleg
Kreis Höxter





Biodiversity



Current project: School garden



after...

- ✓ Only native species of plants
- ✓ Chill-out-area for students
- ✓ Habitat for birds and insects
- ✓ Possibility to do practical (biology) lessons





Biodiversity



Future plans



...for the school garden



- **Beehives**
- **Natural nesting aids**
- **Herbal snail**
- **Corp plants: Blueberries, Raspberries, Strawberries**
- **Birdbath**





Biodiversity



Future plans



... for the school garden



- **Transforming the rock garden into a second school garden**
 - **Increase the consciousness of biodiversity**





Biodiversity



Future plans



... NABU

What is the NABU (Nature and Biodiversity Conservation Union)?

- **Oldest and largest environment association in Germany**
- **Founded in 1899**
- **Main objectives: preservation of habitats and biodiversity, promotion of sustainability in agriculture, forest management**





Biodiversity

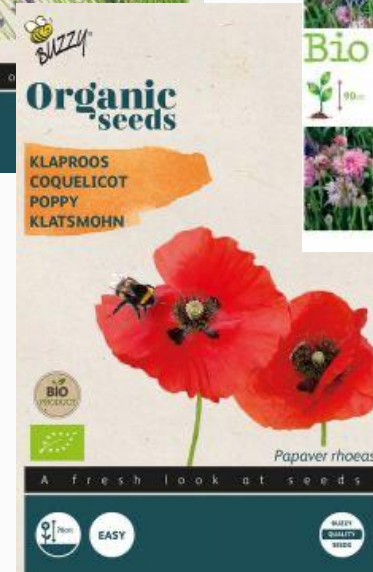
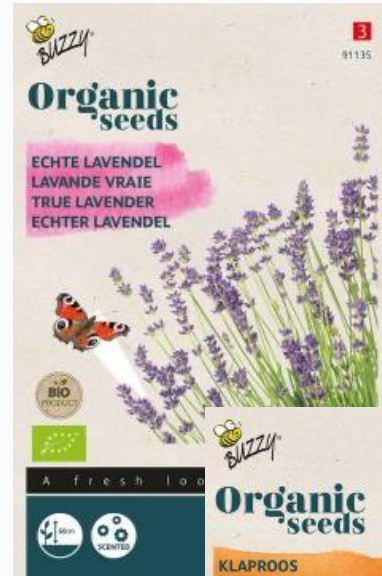


Future plans



... NABU

The NABU helps to seed and raise wildflowers...





Biodiversity



Future plans



...NABU

...so we can transform this grassland with trees...



Biodiversity

Future plans

... NABU

... into a wildflower meadow for even more biodiversity.





Biodiversity

- **in classes of domestic science students learn to cook with regional and seasonal products**
- **in the cafeteria are also sold organic products, Fairtrade coffee**
- **but also energy drinks and a lot of sweets**
- **creates a lot of waste**



Biodiversity



Future plans



... Sustainable story telling

- ❖ conveying information and values about sustainability by telling a story
- ❖ well-told story can inspire and bind the reader or listener
- ❖ draw attention and raise awareness
- increase the consciousness of biodiversity
- should be part of the classes (especially language lessons)



Travel survey



Participants

263
students

62
teachers





Travel

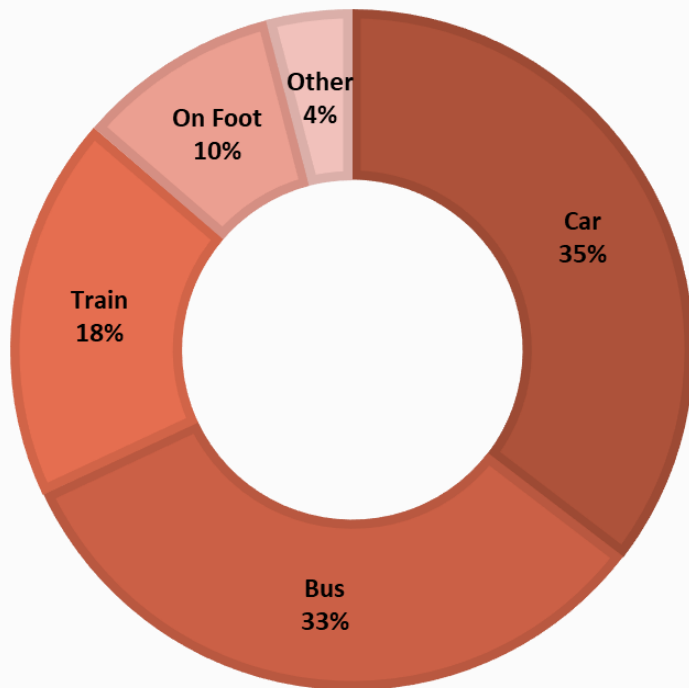


A survey

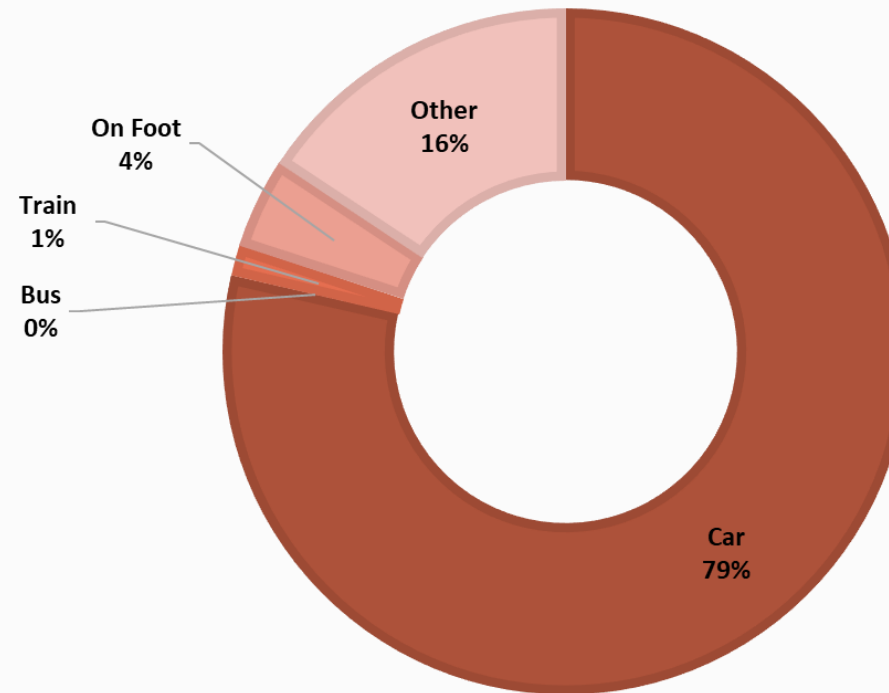


Which form of transportation do you use to come to school?

RESULT STUDENT'S SURVEY



RESULT TEACHER'S SURVEY





Travel



A survey



"No one who could bother me during the ride to school."

Especially students say: "No alternatives that could pay-off."

"I do not have a car."

Why have you chosen to use that form of transportation?

"Missing public transport connections."

"I feel more comfortable when driving myself."

Some students and teachers named environmental aspects as a reason

"flexibility and independence"



Travel



A survey



"Better routes."

"More buses so it's less crowded."

What needs to change for you to switch?

"cheaper tickets"

"Better public transport connections."

"charging station for e-bikes"

"Better cycle path."



Travel

The "9€ Ticket"

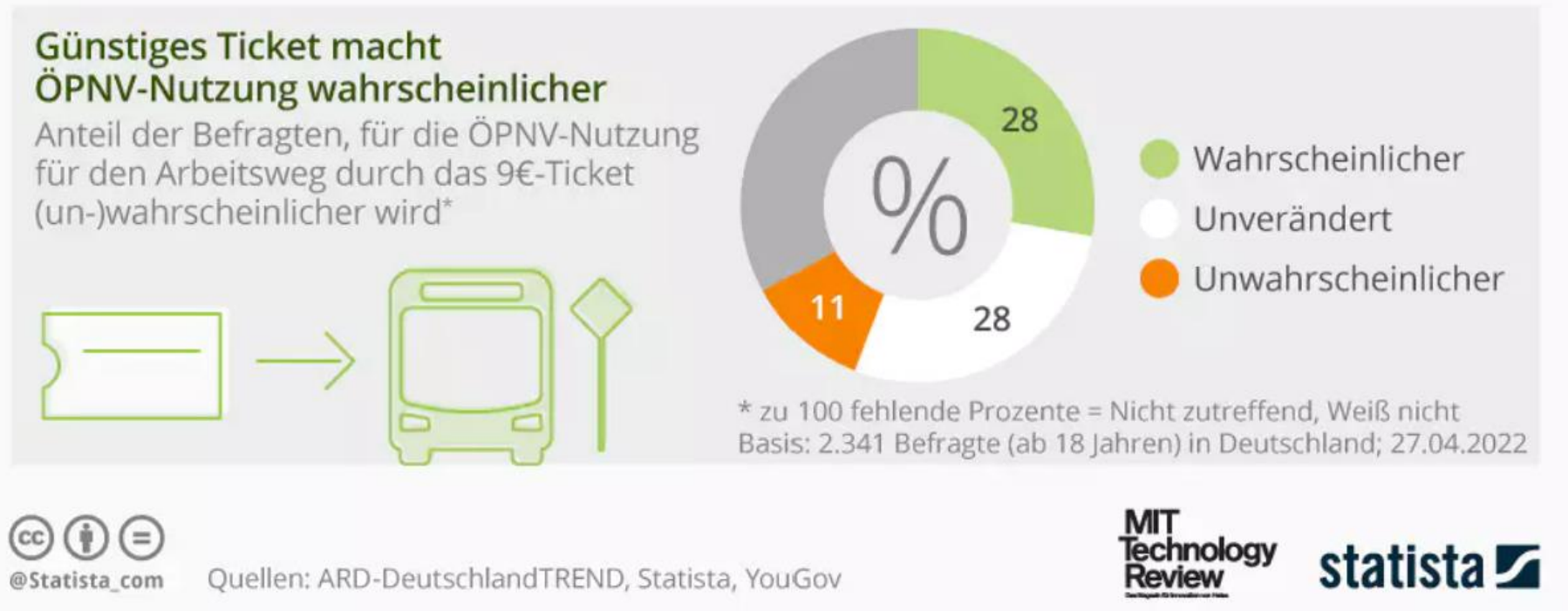
- valid for all regional forms of transportation
- costs 9€ per month
- only available from June-August to relieve the high costs due to inflation
- crowded trains and bus





Travel

- the cheap ticket makes it more likely to use public transport





Travel

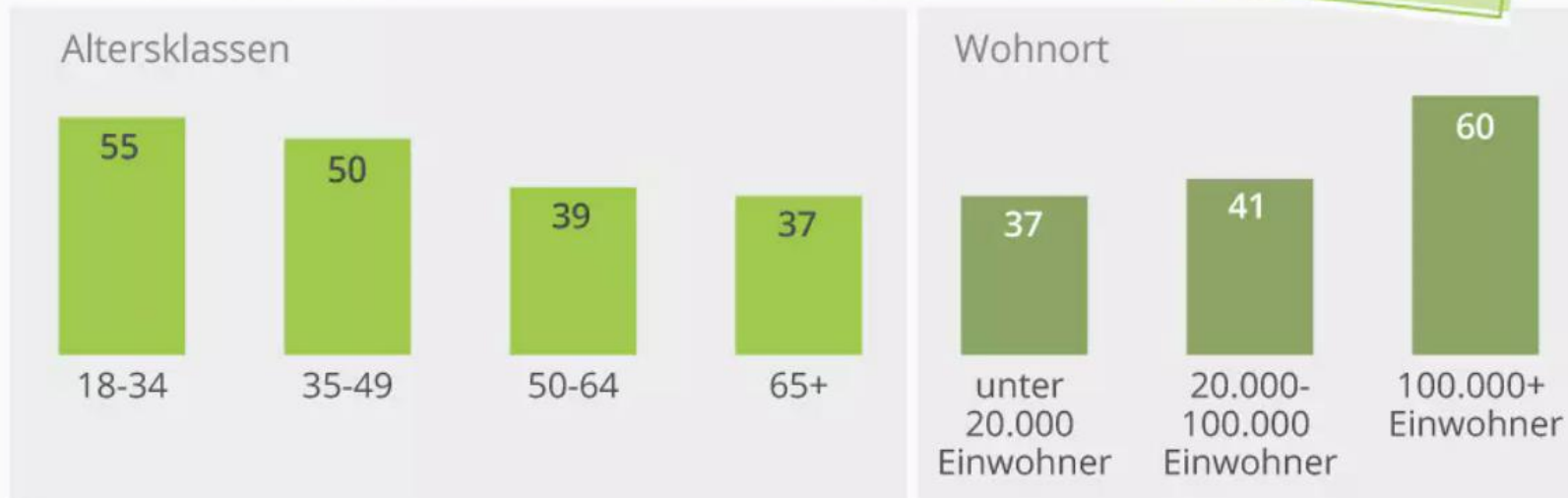


- but it is used more in bigger cities and by younger people

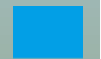
9€-Ticket – Wer profitiert am meisten?

9€-Ticket wird vor allem in der Großstadt genutzt

Anteil der Befragten, die das 9€-Ticket nutzen werden (in %)



Basis: 1.226 Befragte (ab 18 Jahren) in Deutschland; 10.05. bis 11.05.2022





Travel



A survey

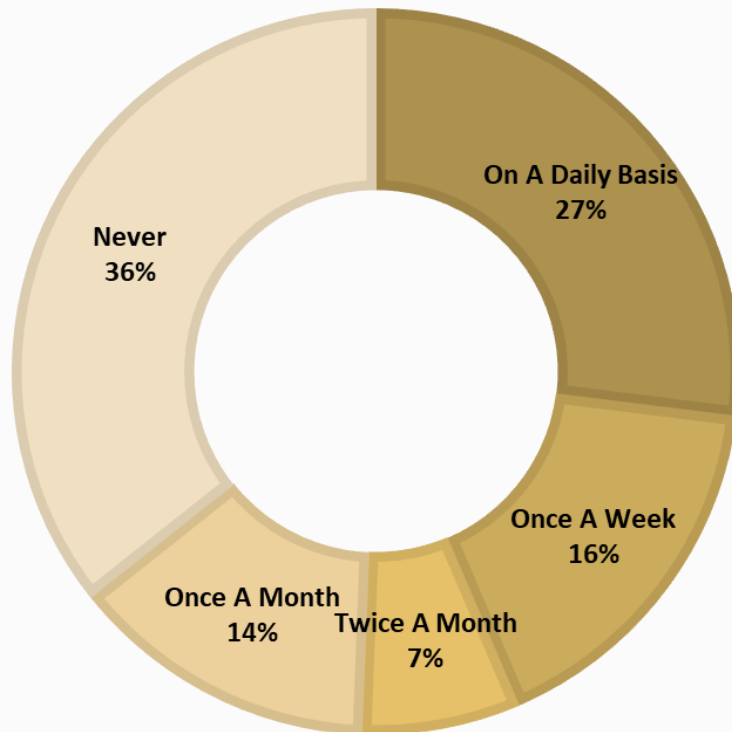


**Berufskolleg
Kreis Höxter**

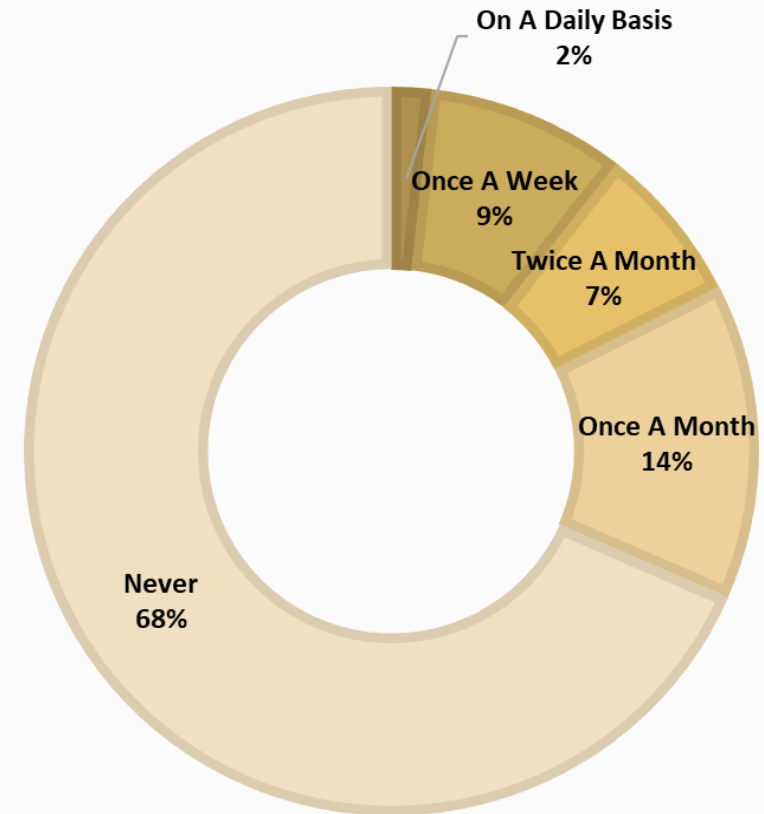


How often have you used the 9€ ticket?

RESULT STUDENT'S SURVEY



RESULT TEACHER'S SURVEY











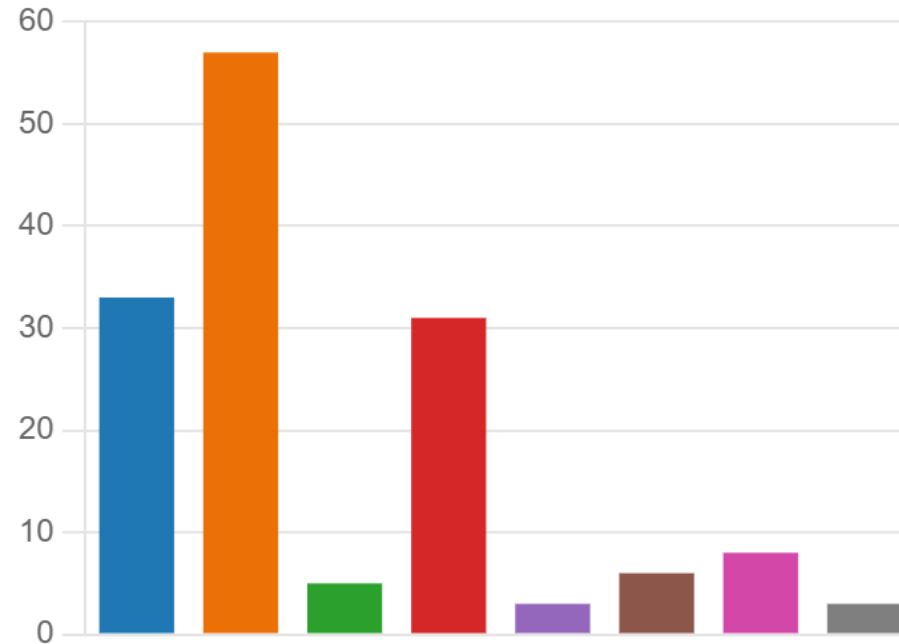
 **Travel**



 **A survey**

- teachers were also asked how they travel on holidays

	Flugzeug	33
	Auto	57
	Elektroauto	5
	Bahn	31
	(Fern)Bus	3
	Fahrrad	6
	eBike	8
	Sonstiges	3



BKHX




26



Travel



Charging stations for electric cars

- 
- **Several charging stations around our school**
 - **Staff can use them free of charge**
 - **Often used by students**



Travel

Charging stations for electric cars



- **Initially only the headmaster had an electric car**
- **In June we have already seen 10 to 12 e-cars in front of the charging stations**
- **The number of students using the charging stations is still increasing**



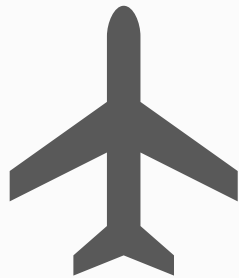
Travel



Class trips



Last year the 12th grade of the vocational high school traveled to the Lake Garda by train



- 758 km
- 576 080 g CO₂
- Starting from 510€
- ca. 3,5 h



- 778 km
- 30 320 g CO₂
- Starting from 250€
- ca. 13 h

➤ 545 760 g CO₂ had been saved





Thank You For Your Attention!