FROM TEACHERS FOR TEACHERS

DIVERSITY IN STEM EDUCATION

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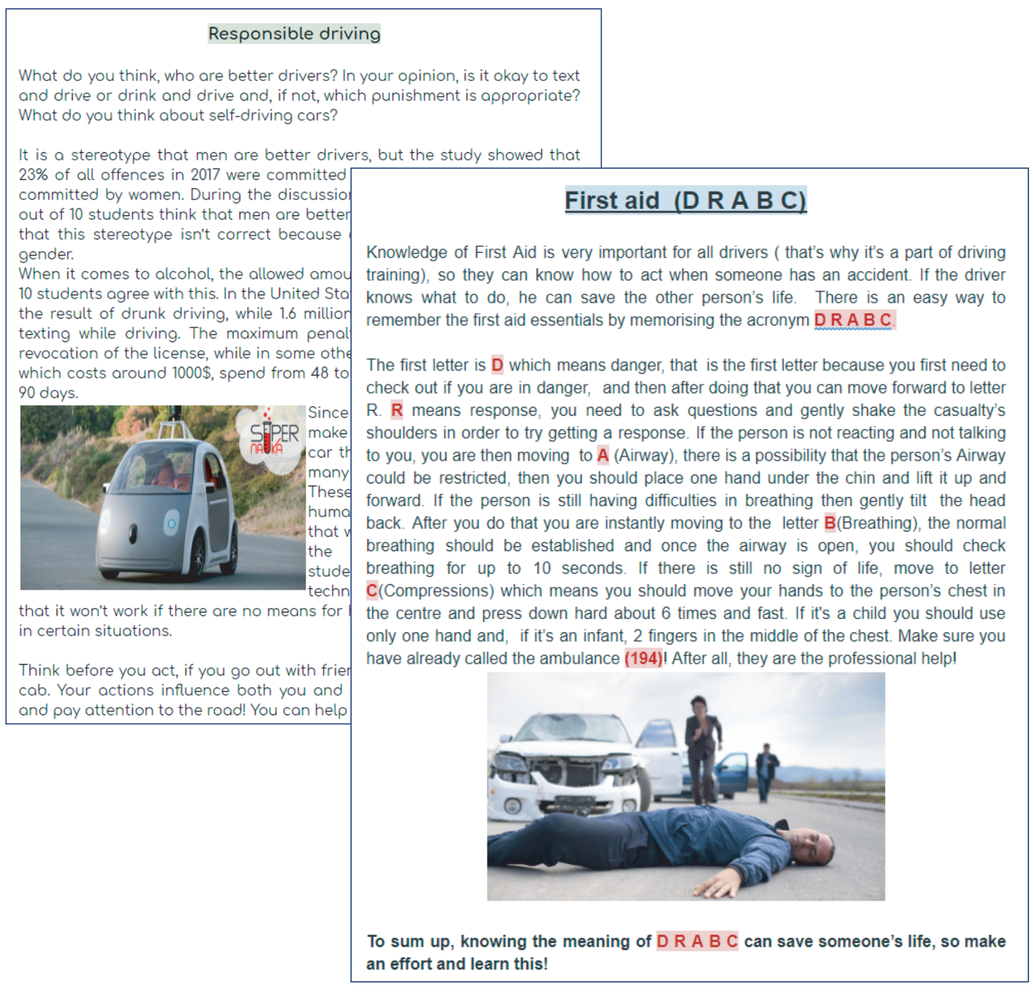
Drive Safely

Learning for life

Project overview and aims:

The goal of the project is to raise awareness among 18-year-old highschool students about the importance of safe driving. Students are expected to create a leaflet containing a QR code, which further leads to a web magazine with 6 texts on driving, each of which deals with the topic from the angle of one of the subjects (Physics, Chemistry, Biology, English, Physical Education, Civic Education).

The idea is to use an everyday phenomenon (driving) and leverage students' interest in it to engage and motivate them to uncover how STEM subjects help them be better drivers, and then use Arts to create an educational material for their peers about the knowledge gained.



Responsible driving

What do you think, who are better drivers? In your opinion, is it okay to text and drive or drink and drive and, if not, which punishment is appropriate? What do you think about self-driving cars?

It is a stereotype that men are better drivers, but the study showed that 23% of all offences in 2017 were committed
committed by women. During the discussio
out of 10 students think that men are better
that this stereotype isn't correct because
gender.
When it comes to alcohol, the allowed amou
10 students agree with this. In the United Sta
the result of drunk driving, while 1.6 million
texting while driving. The maximum penal
revocation of the license, while in some othe
which costs around 1000$, spend from 48 to
90 days.
Since
make
car th
many
These
huma
that w
the
stude
techn
that it won't work if there are no means for
in certain situations.

Think before you act, if you go out with frie
cab. Your actions influence both you and
and pay attention to the road! You can help

First aid (D R A B C)

Knowledge of First Aid is very important for all drivers (that's why it's a part of driving training), so they can know how to act when someone has an accident. If the driver knows what to do, he can save the other person's life. There is an easy way to remember the first aid essentials by memorising the acronym D R A B C.

The first letter is D which means danger, that is the first letter because you first need to check out if you are in danger, and then after doing that you can move forward to letter R. R means response, you need to ask questions and gently shake the casualty's shoulders in order to try getting a response. If the person is not reacting and not talking to you, you are then moving to A (Airway), there is a possibility that the person's Airway could be restricted, then you should place one hand under the chin and lift it up and forward. If the person is still having difficulties in breathing then gently tilt the head back. After you do that you are instantly moving to the letter B(Breathing), the normal breathing should be established and once the airway is open, you should check breathing for up to 10 seconds. If there is still no sign of life, move to letter C(Compressions) which means you should move your hands to the person's chest in the centre and press down hard about 6 times and fast. If it's a child you should use only one hand and, if it's an infant, 2 fingers in the middle of the chest. Make sure you have already called the ambulance (194)! After all, they are the professional help!

To sum up, knowing the meaning of D R A B C can save someone's life, so make an effort and learn this!

Project benefits:

Throughout the project, students are expected to apply practical skills in the field of computer science, master the techniques of data analysis and drawing conclusions, utilise the appropriate writing techniques to be persuasive and target the desired audience, develop creativity, communication and entrepreneurial skills and exercise peer education.

In addition to this, students master the techniques of evaluating one's own and other people's work and develop numerous interdisciplinary competences (working with data and information, cooperation, digital literacy, aesthetic competence, competence for lifelong learning, problem solving, team work, responsible attitude towards health).

Tapping into students' interests is a powerful tool to make them discover, acquire and apply knowledge and skills needed for life.

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