

## SUBJECT AREAS:

Social science

## ACTIVITY DESCRIPTION:

Students will be divided in working groups, they will conduct research about sustainable transport

## OBJECTIVES:

- To learn more about sustainable transport by first learning about how much pollution causes traffic.

## MATERIALS:

Computers,  
Internet,  
Power Point Presentation

## GRADE/LEVEL:

Secondary school (15-18)

## DURATION:

Preparation time: 4 hours  
Activity time: 45 min.

## PLACE:

Classroom

## AUTOR:

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# Sustainable transport

## INTRODUCTION:

This lesson plan offers to student's possibility to work in group by conducting a research on following topics:

air pollution;  
noise pollution;  
road congestion;  
accidentality.

## BACKGROUND:

One of the biggest causes of pollution is traffic. Small steps can be made by using sustainable transports, but before let's make a research

## Procedure:

**Outline:** Students will be divided in 4 groups (above mentioned topics) and they will conduct research on how different types of transports (by air, boat, car, train, bus...) have impact on our planet. Students will present their findings to the class, after which they can discuss about possible solution to this problem.

**Instruction:** Teacher should give research as a homework and during next class students will present their results and have possibility to propone eventual solution to this problem.

**Guided Practice:** Students should learn more about sustainable transports and promote this topic.

**Formative Assessment:** Teacher should monitor the student's presentation and can also give them some tips on how to use sustainable transports in their day life.

**Independent Practice:** Students can be motivated to use sustainable transports when they go to school.

## FUN FACTS:

- **Copenhagen and Amsterdam** are the only two EU capitals to have set the goal of converting 100% of their public transport fleets to zero-emission buses by 2025.
- **Italy** has more cities with LEZs (Low-Emission Zones) and other transit restrictions for ICE vehicles than Germany does.
- The **Dutch** national climate agreement stipulates that 50 hydrogen filling stations must be built in the Netherlands by 2025.
- 2027 may be the final year for new on-road diesel engine development, according to the 2023 State of Sustainable Fleets report, a document that highlights the latest trends in five different categories of sustainable transportation.

## ASSESSMENT:

Observations during presentations, participation in discussions.

Evaluate them according to pre-determined presentation criteria (clear objective, structure and organization, content quality, visual aids, delivery, timing, interaction, teamwork, etc.).

## EVALUATION:

Students should make a table listing the advantages and disadvantages of using sustainable transport.