LESSON PLAN

Class: 5

Time: 180 min

Based on youtube educational films for kids:

# Air Pollution for Kids| [#aumsum](https://www.youtube.com/results?search_query=%23aumsum) [#kids](https://www.youtube.com/results?search_query=%23kids) [#education](https://www.youtube.com/results?search_query=%23education) [#science](https://www.youtube.com/results?search_query=%23science) [#pollution](https://www.youtube.com/results?search_query=%23pollution)

# Global Warming for Kids | [#aumsum](https://www.youtube.com/results?search_query=%23aumsum) [#kids](https://www.youtube.com/results?search_query=%23kids) [#education](https://www.youtube.com/results?search_query=%23education) [#global](https://www.youtube.com/results?search_query=%23global) [#globalwarming](https://www.youtube.com/results?search_query=%23globalwarming)

# Greenhouse Effect for Kids | [#aumsum](https://www.youtube.com/results?search_query=%23aumsum) [#kids](https://www.youtube.com/results?search_query=%23kids) [#education](https://www.youtube.com/results?search_query=%23education) [#science](https://www.youtube.com/results?search_query=%23science) [#greenhouse](https://www.youtube.com/results?search_query=%23greenhouse)

# Smog: Zobacz czym oddychasz - Nauka. To lubię. <https://www.youtube.com/watch?v=81Gh8XjVfZ0&t=171s>

LESSON 1:

Students watch the film. The teacher stops it from time to time and explains all necessary words and terms (the list below). The teacher writes all new words on the board. At the end of the lesson the teacher revises all the words.

New vocabulary:

air pollution, co2 – carbon dioxide, nitrous oxide – N2O, methane – CH4, absorb carbon dioxide, release oxygen, burning trash, fossil fuel, coal, wood, smoke, vehicles, cutting of trees, factories, industry, human being, suffer, disease, asthma, bronchitis, cancer, skin diseases, affect, growth , plants, cause damage, reduce air pollution, preventive measures – steps, prevent, avoid bursting firecrackers / fireworks, power plants, residential areas, should be far from,

The teacher and kids carry out the experiment:

Materials: vacuum cleaner, a strong tape, a cotton pad

The teacher sticks the cotton pad to the end of vacuum cleaner’s hose using the tape. The teacher explains that a typical vacuum cleaner during a minute sucks about 1000 liters of air which is the same amount of air human beings use during 15 hours of breathing. So 5 minutes of its work equals 3 days of breathing of a man.

The teacher switches it on outside the school and after 5 minutes checks the cotton pad’s color. If it is dirty it indicates the air in the area is polluted.

LESSON 2:

The teacher revises all the words from the previous lesson.

Then the teacher divides students into groups and asks them to fill the worksheets while watching the film for the second time.

The students work in groups, they are encouraged to discuss their task and compare the results.

At the end they decide on the type of the project they would like to do concerning this topic – they may create e.g. multimedia presentation / film with their own drawings. Students decide on distribution of responsibilities and ideas. They prepare the pictures.

LESSON 3:

Introduction of new vocabulary on global warming:

earth, global warming, responsible, deforestation, balance, greenhouse gases, trap, heat, increase average temperature, loss, reuse, recycle, turn off electronic devices, spread awareness

Students watch the films:

about global warming: [#aumsum](https://www.youtube.com/results?search_query=%23aumsum) [#kids](https://www.youtube.com/results?search_query=%23kids) [#education](https://www.youtube.com/results?search_query=%23education) [#global](https://www.youtube.com/results?search_query=%23global) [#globalwarming](https://www.youtube.com/results?search_query=%23globalwarming)

and greenhouse effect: [#aumsum](https://www.youtube.com/results?search_query=%23aumsum) [#kids](https://www.youtube.com/results?search_query=%23kids) [#education](https://www.youtube.com/results?search_query=%23education) [#science](https://www.youtube.com/results?search_query=%23science) [#greenhouse](https://www.youtube.com/results?search_query=%23greenhouse)

The teacher stops the film and asks questions to check whether the students understand everything. The teacher writes all new words.

The teacher encourages the students to give ideas how this knowledge can be shared among other students. At my classes the students gave the idea of performance (film) which can be recorded and shared independently at different age levels. The teacher notes all students’ ideas and writes an initial plan of the performance’s scenario.