

Aspirator test commentary

Have you ever wondered how dirty the air we breathe every day is?

We carried out some research to find out how much contamination there is in the air.

In order to do it we needed a vacuum cleaner, cotton pads and some tape. We put the cotton pads on the vacuum pipe and used tape to hold the pads in place, so the vacuum would not suck it in.

We then let the vacuum cleaner run for a few minutes in different parts of Bydgoszcz and where we live, and here are the results.

As you can see in the video, we did the experiment in 3 different places. The first one was next to our school. The cotton pad wasn't very dirty because the school is surrounded by a lot of trees and two parks.

The second place we went to was one of the most popular shopping malls in Bydgoszcz. We conducted the experiment in the parking lot, as this was the only place where we could find electricity. This cotton pad was the dirtiest, as the concentration of fumes was really high. Multistorey car parks have weak ventilation systems and the number of cars there is huge.

The last place we went to was the city centre. Even though there aren't many trees, the air is pretty clean as it is an open space.

By Amelia, Wiktoria and Wiktor.