

Ladies and gentlemen, esteemed judges, and fellow students,
Today, I am delighted to present our science project, titled "The Impact of Urbanization on Local Air Quality." Over the past several months, our team has conducted an in-depth investigation into how urban growth affects the quality of the air we breathe.

Our research began with a comprehensive literature review, where we examined numerous studies highlighting the correlation between urban development and increased pollution levels. We discovered that common pollutants, such as nitrogen dioxide and particulate matter, rise significantly in urban areas due to traffic emissions and industrial activities.

To gather our data, we conducted air quality measurements across various locations within the city and compared them with data from rural areas. Our findings indicate that urban environments indeed have higher concentrations of harmful pollutants.

We also explored potential solutions and were encouraged by innovations such as green roofs and urban forests, which have shown promise in improving air quality. These solutions not only reduce pollutants but also enhance urban biodiversity and provide additional green space.

In conclusion, our project underscores the urgent need to address air quality issues as cities continue to expand. By implementing sustainable practices and technologies, we can mitigate the impacts of urbanization and ensure a healthier environment for future generations.

Thank you for your attention, and we welcome any questions you may have.