



## Transcript of Ukrainian Youth Talk

**Danylo:** “Privit” everyone, my name is Danylo.....

**Zlata** ....I’m Zlata.....

**Yeva** .....and I’m Yeva and we are from Ukraine!

**Zlata** - Our journey here to Wilmington has taken us across the world from a horrible war to a temporary place of comfort.

**Zlata** - We are very happy to have met many new friends, but we miss Ukraine and hopefully soon we will be able to return to our homes and be with our friends and families once more.

**Danylo** - Today we would like to talk about the importance of Ukraine as well as what we have been learning in science.

**Danylo** - The rest of this talk will be given in Ukrainian, but we have provided a translation of our talk in the program.

**Zlata** - Ukraine is a beautiful country .... and on this Earth Day, we acknowledge some of our favorite things about Ukraine

**Zlata:** Golden ears of wheat and the beautiful blue sky reflected in our flag.

**Yeva:** the Black Sea, rivers and beautiful forests

**Danylo:** Our language, friendly people and our culture. All of these make Ukraine the unique place it is!

**Danylo:** Ukraine’s environment also provides important resources supporting the global economy: sunflower and sudden oil, wheat, coal and iron ore.

**Zlata:** Ukraine is one of 195 other nations in the Paris Climate Agreement addressing global climate change and as a country we are proud to be at the forefront of providing



solutions to climate change. In fact, our energy infrastructure is very similar to North Carolina and the Cape Fear region with wind, nuclear and solar energy a main part of Ukraine's power grid.

**Danylo** - This all changed on 24 February 2022 with Russia's invasion of Ukraine. Our lives were upended. The war also continues to be extremely damaging to Ukraine's infrastructure and environment with an estimated 51 billion dollars in environmental damage to date.

**Yeva:** Ukraine has lost 90% of its wind power and 50% of its solar power resources because of Russian attacks.

**Yeva:** The chances of another Chernobyl nuclear disaster are real when fighting occurs at nuclear power plants.

**Zlata:** Then there are the unknown impacts of the war on air pollution and water quality.

**Zlata:** Ukraine will need a lot of help to rebuild but it is not all bad news.....Ukrainians are resilient and even in the middle of a war our scientists and engineers are still building wind farms!

**Danylo:** We have been learning a lot in science from chemistry of the fashion industry to understanding the engineering behind wind power. In the future we hope to use this knowledge to help rebuild Ukraine and invent new things.

**Danylo:** Recently we have been learning about the physics of flight and the atmosphere with and about the engineering behind wind power.

**Yeva:** We had so much fun with our recent weather balloon launch.

**Yeva:** We learnt a lot of cool things about the jetstream, how to build the balloon and what it looks like in near space.

**Zlata:** You can see in the slide here our balloon almost made it to the top of the stratosphere where there is hardly any air and that it is very cold up there - around -35 degrees Celsius, now that's cold!



**Danylo:** In a minute we would like to show you a short film about our recent adventure with the weather balloon experience but first we have a message to our leader - President Volodymyr Zelensky - and to the Ukrainian people.

**Danylo:** Dear President Zelensky, it is Danylo, Zlata and Yeva. We really want to go back to Ukraine!

**Danylo:** Thanks to our friends here in the USA for helping and keeping us safe while our brave military defends our country.

**Zlata:** We really miss Ukraine - our family, people, friends, and our land.

**Zlata:** We believe in the victory of Ukraine and the strength and will of the Ukrainian people. Slava Ukraine!

**Danylo:** Thanks again for helping us and please come and see our projects this afternoon. Enjoy the film.