Joint Projects



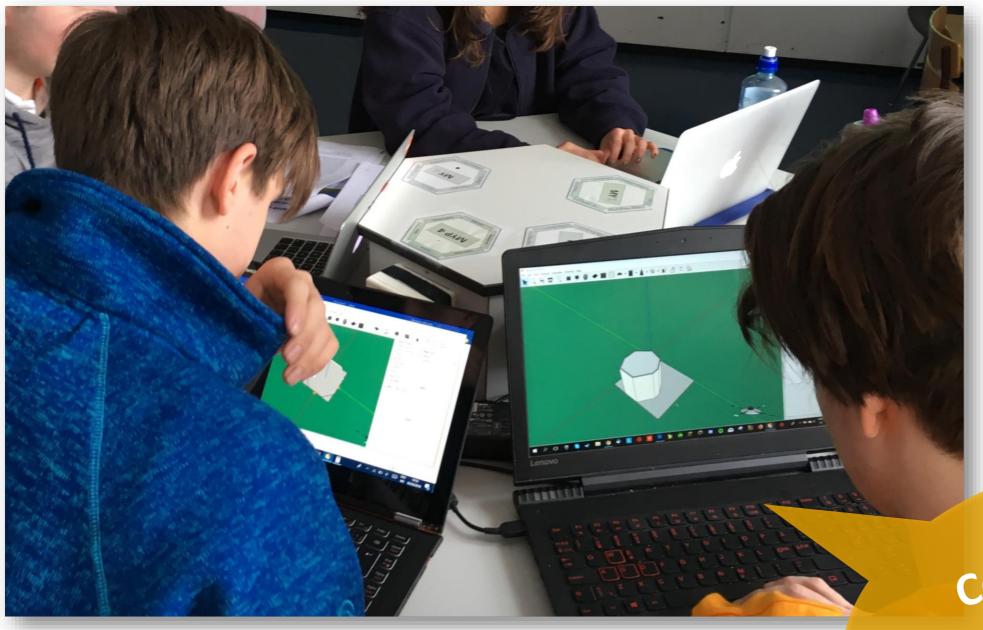
Gerald Decelles III | SIS | Sandefjord | Norway Ulrike Englert | Willibald-Gluck-Gymnasium | Neumarkt | Germany

Building A Sustainable Future – Together!

Climate change and the conservation are topics that must move us and especially our youth to action!



In our joint teaching project, students from two countries, Norway and Germany, deal with the subject of energy-efficient construction and jointly develop and implement a model of a modern school building.



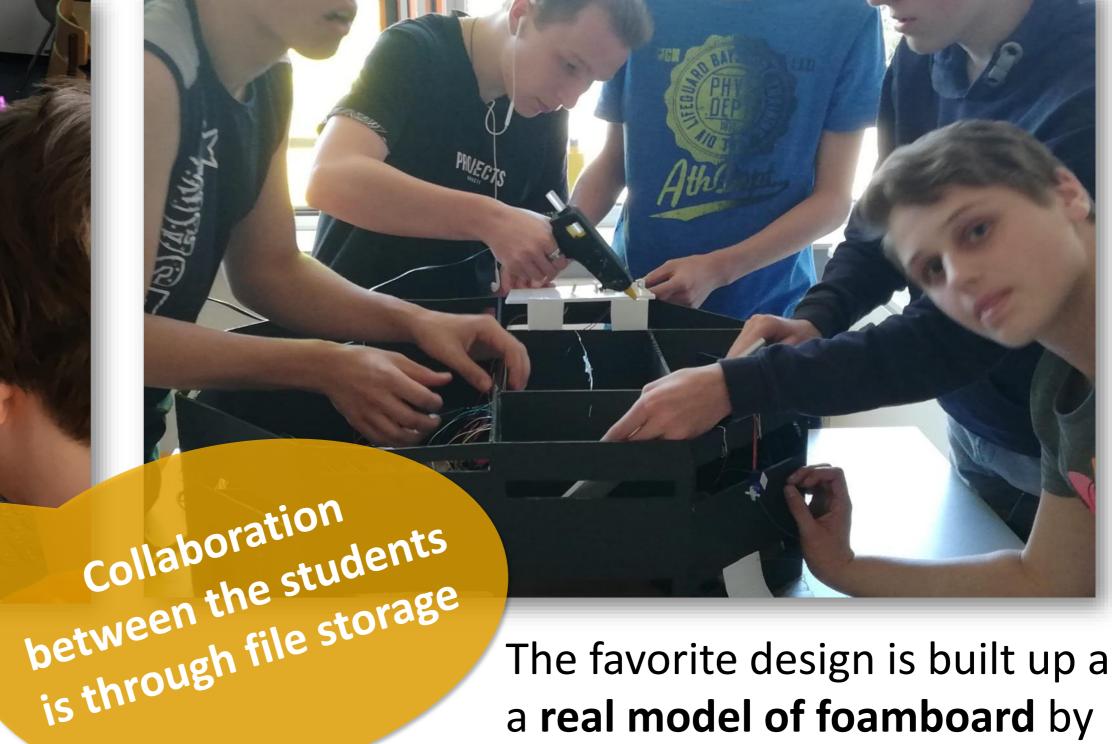
The Norwegian students use **software** for modeling energy efficient buildings applying what they had learned about energy efficient design.

They **present** these designs to the students in Germany **by film**.

In **final exhibitions** the students of both countries present their models with research posters to the school community. The German students make a **film** that shows the Norwegian students the implementation of the control systems.



Why a school? Every student knows his school and has opinions about the ways to make it better. From their **familiar learning environment** students find out about energy efficiency and apply this knowledge to their concept of a school.



The favorite design is built up as a **real model of foamboard** by the German students.

Elements of intelligent control are modeled with the appropriate sensors and the Arduino and are installed in the school model.

"Our project is about changing students' attitudes toward the challenges that come with climate change and what is possible working together."