

Joint Projects

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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**.



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 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.

Collaboration between the students is through file storage



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.”