

Phase 3: Outreach

From cycling to upcycling: learn about energy conversions by building creative installations from old bicycles

This phase focuses on how this installation can be displayed for other students, other schools, or other institutions, as well as how subsequent activities can be developed. There are a number of possible approaches.

Events within the school

Student groups design presentations and teaching aids, for example, posters, to explain the different stations. The presentation and/or materials should explain all the stations illustrated by the installation. Flexible vocabulary should be considered to be able to properly address different age groups. An event can then be organised, where the installations are presented to students from lower classes.

Collaboration with local organisations

We contacted the Graz Museum, who had an exhibition on bicycles, especially their regional and historical presence, to organise a collaboration. Such public presentation nurtures connection between students and the community.

<https://www.grazmuseum.at/event/presentation-bicycle-generator-installation/>

What's next?

Students can also use what they have learned as a starting point to prepare more general peer-to-peer interactions to develop a networked approach to the concept of energy awareness, in which the topic or energy is used to develop simple activities, adapted to different age groups. The students work collaboratively and find simple ideas for experiments. Peer-to-peer activities allow us to present concepts in simple, creative, and compellingly fun ways; the use of this concept promotes a dynamic approach, where students have a more active and constructive participation in the learning process.