

Klimat-X

Experiments on Energy and Climate

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Abstract

Climate and energy issues are part of our everyday life. Children's understanding of energy concepts and energy transformations is often insufficient. In Malmö, Sweden, a small science center, Klimat-X, tries to capture the students' fascination and interest and give them the opportunity of building their knowledge of scientific concepts concerned with energy and climate. Examples of experiments are described and the educational problems they are designed to address will be discussed. A pilot study on the influence of the experiments on students' understanding has been carried out. The students get a deeper understanding of energy chains, they see possibilities and not only problems in energy economizing and they find the experiments funny, interesting and instructive. It seems that Klimat-X could be a starting point for reflecting upon scientific issues that have an impact on decisions made in everyday life.

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