Final report – testing actions

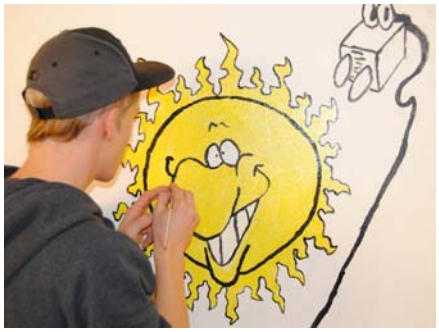
Dates of the testing action and numbers of hours.

Construction A (Konstruktion A)
2012-11-11 – 2012-02-03 40 h, teacher Anders Ramstrand

Construction B (Konstruktion B)
2011-08-22 – 2011-12-20 30 h, teacher Göran Andersson

Technical Communication A (Teknisk kommunikation)
2011-09-05 – 2011-12-20 40 h, teacher Anders Ramstrand

Technology and Entrepreneurship (Teknikutveckling och Företagande)
2011-08-22 – 2011-12-20 40 h, teacher Jan Denneberg



Information about the participants

Work with small-scale renewable energy has been a theme in the courses Construction A and B, Technical Communication A and Technology and Entrepreneurship. Participants have been students at the Technical program in the upper secondary school of Staffangymnasiet, grade 2 and 3. The total numbers of students have been 53 people (24 students in grade 2 and 29 students in grade 3). Out of these 53 students there have been 15 girls. 4 girls in grade 2 and 11 girls in grade 3. The students are 17 - 18 years.

Courses:

Construction A (Konstruktion A): The pupils' task was to "create power". With well-known methods students were asked to construct a generator and a solar cell. (See attached project description.)

Construction B (Konstruktion B): In this course, students have been studying the principles behind different energy solutions. The task was to write a report about different energy sources, such as biomass, wind, hydro, nuclear, etc. The Aktosguide has been an important source in addition to other literature.

Technical Communication A: One of the goals of this course is to work with graphics within a chosen area. Our students have created logos for a selected energy range. The Aktos guide has been their source of information. (See attached project description.) Some of the graphic illustrations have been included in the final version of the Swedish Aktos guide.

Technology and Entrepreneurship. The aim of the course Technology and Entrepreneurship is to give students tools for self-employment. Through the AKTOS-project we have tried to make the students aware of the possibilities of entrepreneurship in small-scale renewable energy.

Evaluation

In each of the four courses mentioned above we have carried out evaluations with the participants. On the whole the students have appreciated the theme, renewable energy is highly topical, and the courses have created a greater understanding of energy and energy sources and the different areas in which they can be used. The field of renewable energies has become an interesting field for further education among the students in our groups and several students have now applied for post-secondary courses in this area.

"I think this project was quite interesting and good. Most things went well, we had no problems. From the beginning, I knew hardly how one generator worked but now I really know ... " Olle