

## **TERECOP Project 2006/2009**

**SOCRATES PROGRAMME,  
COMENIUS 2.1 Action,  
I28959-CP-I-2006-I-GR-COMENIUS-C2I  
Training of School Education Staff  
<http://www.terecop.eu>**

### **Rationale and Objectives:**

This project, inspired by the theory of constructivism and constructionism (Piaget, Papert), will focus on the constructionist use of educational technology as a learning tool. It aims at the development of teacher training courses that will enable the future or in-service teachers to integrate the use of computer-based robotic activities in their teaching repertoire as a constructivist learning tool that can support pupil/student knowledge construction, learning by doing, learning through active exploration and can increase pupil motivation in science and technology.

### **Target groups:**

Secondary school teachers, teacher trainers and education authorities

## Main activities:

- ☑ To select and organize a repertoire of appropriate computer-based robotic activities and produce a set of critical examples that can be used in a constructivist way by teachers at secondary school level in the areas of science and technology.



- ☑ To develop and implement training courses for teachers choosing appropriate activities and strategies designed to help and encourage them to adopt these new pedagogical methods.
- ☑ To evaluate the courses and report experiences from the implementation of the courses in the 6 different European countries that participate in the project.
- ☑ To create a community of practice between educators and teachers for a continuous and

sustainable professional development in using computer-based robotic tools through the integration of e-learning tools and the development of a repository web site to make all the developed materials easily accessible for teachers and trainers.

- ☑ To disseminate the results of the project to the broader educational community.

### **Main expected outputs:**

- ☑ A methodology for designing computer-based robotic activities supporting constructivist learning.
- ☑ Teacher training course curriculum and learning materials
- ☑ Teacher education courses
- ☑ A community of practice between trainers and teachers
- ☑ An International Workshop, publications, papers, presentations in conferences



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