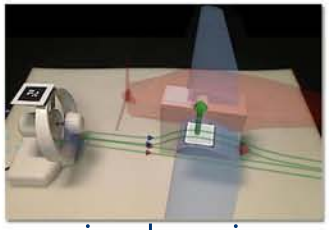
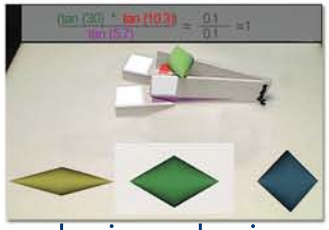
Science Center to Go
— visualising the invisible

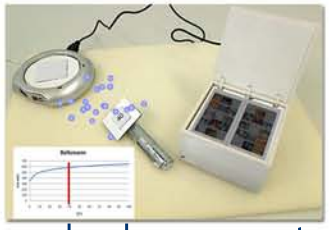
www.sctg.eu

The Science Center to Go (SCeTGo) project aims to bridge the gap between formal and informal education, to promote science learning at all levels, and to assist in ensuring that science not only holds a high place in teaching curricula but also promotes creative problem solving and learning-by-doing.

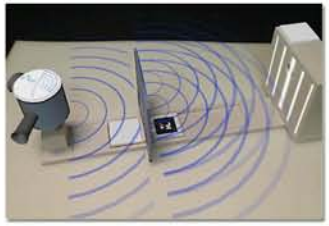
The overall objective, through the exploitation of Augmented Reality (AR) is to integrate experiential learning and supporting materials provided by scientists and educators into a comprehensive knowledge base for learning open to the public.

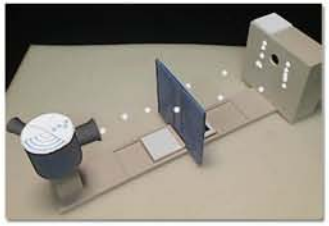

wing dynamics


classic mechanics


molecule movement


doppler effect




quantum mechanics

VISUALISING THE INVISIBLE

The implementation of Augmented Reality (AR) in the context of the "Hot Air Balloon" exhibit at Heureka science centre in Finland unveiled encouraging results. While the high achievers again did best in the post-knowledge test, low achievers again were clearly catching up with the others. The difference to between the treatment and the control group was clear.

MINIATURE EXHIBITS

The SCeTGo will merge miniature exhibits and existing advanced AR technology in order to demonstrate to learner's new ways of interacting with scientific concepts and phenomena.

CONSORTIUM

- Heureka (Finland), www.heureka.fi
- ICCS-Institute of Communications and Computer Systems (Greece), www.mfol.ece.ntua.gr
- Fraunhofer Institute (Germany), www.fit.fraunhofer.de/index.html
- University of Barcelona (Spain), www.ub.edu
- University of Bayreuth (Germany), www.uni-bayreuth.de
- University of Helsinki (Finland), www.helsinki.fi
- Linnaeus University (Sweden), www.lnu.se
- Centre for European Research (UK)
- Cluj County Teacher Training Centre (Romania), www.ccdcluj.ro
- Ellinogermaniki Agogi (Greece), www.ea.gr

Education and Culture DG
Lifelong Learning Programme
EACEA
Education, Audiovisual & Culture Executive Agency

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