

# THE SECURE PROJECT RESEARCHES SCIENCE CURRICULA AND TEACHERS' AND LEARNERS' OPINIONS ON SCIENCE EDUCATION

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## Introduction

Based on scientific research, the SECURE consortium will make a number of recommendations to policy makers who have an impact on curriculum development as well as on teacher education. These recommendations address the question how the interest in Math, Science, Technology and ICT (MST) can be enhanced among youngsters and in particular their future teachers, whilst at the same time optimizing the preparatory learning of those pupils.

## Objectives

The specific objective of the SECURE project is to provide relevant and rigorous research data and translate them in recommendations that contribute to the debate among policy makers on science curricula and their objectives : balancing the needs between training future scientists and broader societal needs. The SECURE research focuses on 5, 8, 11 and 13 years old learners, their science curriculum and their teachers. These ages bridge the gaps between kindergarten, primary school and middle school. The target group for results are all people bearing responsibility for science education, including Fibonacci participants, since the ages match the target learners of the Fibonacci project perfectly.

## Expected outcomes

The SECURE project provides scientific research results to enhance the debate among policy makers on the purpose of school MST education, whether this purpose is being addressed in practice through school curricula, and what perceptions both learners and teachers have on science. Big European projects can benefit from the outcomes of the SECURE project. They could adapt their strategy and implementation methods to the results of the research done.

## Preliminary results, discussion

The authors will present the research strategy, including criteria for comparison of curricula, questionnaires and interview formats for teachers as well for all four age categories. As far as first, preliminary results would be available (in principle this is will be the case), these will also be discussed.

People present will get a in depth view on the project and will be invited to consider their participation to the project as external expert or international policy maker.

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1. This is end note 1, in the style End note.

## References

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