



# STELLA eBook: “Science Education in European Schools - Selected Practices from the STELLA Catalogue”

## Executive Summary



This eBook “Science Education in European Schools – Selected Practices from the STELLA Catalogue” provides a sample of selected practices, collected in the scope of the European Lifelong Learning Programme Project [STELLA \(Science Teaching in a Lifelong Learning Approach\)](#) in order to support educational authorities, school heads and science teachers in fostering and adopting innovative practices in science education.

The STELLA project aims at contributing to the improvement of science teaching in European schools, in particular in order to stimulate young people to undertake science studies and careers, especially girls.

The STELLA eBook “Science Education in European Schools – Selected Practices from the STELLA Catalogue” illustrates selected practices identified from the STELLA Catalogue of Science Education Initiatives. One chapter for each of the countries which participate in the STELLA project, i.e. Bulgaria, France, Germany, Italy and Portugal, describes the practices selected from the respective country. Moreover, a particular eTwinning section is dedicated to selected examples of eTwinning school collaboration projects that deal with maths, science and technology (MST).

The following practices have been selected:

### **Bulgaria**

[Pupil’s research school on IT](#)

[The birds in a school’s life](#)

[Online courses in information technology for the 5th, 9th and 10th grades](#)

[Applying ICT in chemistry education](#)

## France

Integrated science and technology teaching

Bridge for the Future

Conference of young researchers

ASTEP, Supporting teachers through the involvement of scientists in primary education

## Germany

What you can discover about paper

Physics-club, science research centre for young students

Project Luftikus

Mathematics with Lego and Matches

## Italy

Physics of Karate

The special language of research

Experimentation of the blog for teaching/learning science

History, Maths, History of mathematics

## Portugal

The Fifth Element

FoQuetão - Physical Chemistry Club

National Competitions of Mathematics, Biology, Physics and Portuguese Language

Robotic Club

## eTwinning

My Town in Numbers

Maths to play

Ancient Technology as a base for Technology

Health nutrition in primary school

The main factors that foster innovation in science teaching at school are discussed and summarized in the conclusions' section of the STELLA eBook.

