

PARTNERS

universidade de aveiro



dbio departamento de biologia

Contact person: Mr. Luis Souto (project coordinator)

lsouto@ua.pt



skipton girls' high school
an engineering academy



Exploring "CSI Effect and Forensic Sciences to boost the appeal of Science to young people and reinforce interdisciplinarity in European High Schools

www.euro4science.eu

Follow us on  facebook

www.facebook.com/euro4science



Co-funded by the
Erasmus+ Programme
of the European Union

The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Grant Agreement nr: 2014-1-PT01-KA200-001012



EURO4SCIENCE

Exploring science and transdisciplinary learning through forensics

BOOSTING THE APPEAL OF SCIENCE TO YOUNG PEOPLE

www.euro4science.eu

Improving the attractiveness of research careers and other careers related to STEM (science, technology, engineering, and mathematics) to young people is an important contribution to generate a more skilled workforce capable of facing Europe's challenges. Teenager students are particularly open to the "CSI" thematic and iconography.

This is EURO4SCIENCE's starting point to **develop an innovative strategy aimed at mitigating early school dropout and promoting interdisciplinarity and cultural exchanges while favoring social inclusion.** The project will provide European schools with innovative practices, tools and methodologies using themes of the forensics sciences, thus contributing to enhance the quality of the learning offer and attractiveness of science-related subjects and careers.

EURO4SCIENCE aims at providing European schools with innovative practices, tools and methodologies, engaging teachers and pupils of different ages and countries in exciting activities connected to the "CSI Theme".

Teachers from different areas will collaborate in an inter-disciplinary based project that explores the educational potential of the "CSI Effect", i.e. the influence of TV series such as Bones, CSI, etc. on popularization of forensic sciences and its use of modern technologies.

EURO4SCIENCE will develop and test a **Forensic Science Education Toolbox** and organize "**CSI weeks**" with a range of activities engaging the whole learning community.

All public materials developed within the project will be available in the project website (www.euro4science.eu) in English, Portuguese, Bulgarian and Polish.

- ◇ The **Forensic Science Education Toolbox** will consist of a box with materials to carry out experiments in the classroom, along with support documents: students Guide; teachers' Guide; CSI Cases.
- ◇ The **CSI weeks** will include a programme of activities with presentation of "CSI cases"; bioethical debates; conferences with teachers, students, and other stakeholders; Science fair, etc.

Besides, several other initiatives will take place in the 4 participating countries (Portugal, Bulgaria, Poland, UK) including:

- ◇ Teachers workshops (Portugal, Bulgaria, UK),
- ◇ Short-term exchanges of groups of pupils;
- ◇ International conferences (UK and Poland).

Main **target groups** of EURO4SCIENCE are:

- ◇ Teachers of science-related subjects and other subjects, especially those of secondary schools
- ◇ Students from secondary education, not only those studying sciences;
- ◇ Other members of the school community (e.g. counsellors, parents and families);
- ◇ Universities, forensic science institutions,

EURO4SCIENCE is running from **September 2014 to August 2016**, supported by the ERASMUS+ programme of the European Commission (Strategic Partnerships for school education).

The partnership is coordinated by the **University of Aveiro** (Department of Biology) – **Portugal** and includes partners from Bulgaria (Know and Can Association), Poland (Inncrease), Portugal (INOVA+, Group of Schools José Estevão) and the United Kingdom (Skipton Girls' High School). All partners share the goals of fostering the engagement of children/youngsters into scientific careers and subjects through innovative methodologies and themes that are particularly engaging for students, thus combating school dropout and fostering transdisciplinarity.

FORENSIC SCIENCE TOOLBOX

The Toolbox will consist of a main box with materials and several support documents, such as students Guide; teachers' Guide; CSI Cases.

Main features:

- Composed of recycled and low cost materials.
- Available in 4 languages (English, Portuguese, Bulgarian and Polish).
- Designed and produced to be used by students under teachers' supervision.

CSI WEEKS

The CSI weeks will take place in 2016 in Portugal, the UK and Bulgaria, gathering the school community around a programme with different activities including: sharing experiences of Educational Forensic Science Projects; presentation of "CSI cases" and development of activities around them; bioethical debates; conferences and debates with teachers, students, and other stakeholders/organisations; Science fair, etc.