



Vision of the school: A few years ago, it became apparent to the teacher acting as change-agent, that in order for the students to better understand the concepts of curriculum areas, such as Science, it is necessary to use audio-visual media and technology in class, and that it is important to broaden the students' horizons by taking part in innovative programs, Master-classes, conferences and seminars, so that students are not mere information receivers. A two-year planning is a sufficient to form a long-standing project that will not be bound to exams restrictions for secondary education students. Students are already familiar with technology and it can be used to approach and explore knowledge, investigate and help reveal students' talents.

Key areas of action: Following the "CERN experiment" master-class, that was organized in the school in 2012, a series of follow-up and expanding activities are taking place in 2013, the main of which are: a) astronomic observation nights, sun observations other science and astronomy experiments, b) a music education project, in collaboration with the "Let's share the music" activity, also conducted by other ODS schools in Greece c) a joint event linking Science to the Olympic Games, with the collaboration of 8 other local schools that participated in an Olympic Games event in Ancient Olympia in April 2013, d) Participation in the ODYSSEUS pan-European contest, winning the first prize in the "Co-evolution of life" category, e) a history and archaeology project that combines historical research with a revival of local medieval customs by means of virtual reality tools.

E-maturity development objectives: The current on-going activities are planned to be the starting point for an evolving innovation culture and tradition of the school, and to expand in all curriculum areas, along with the necessary enrichment of resources and infrastructure available. We envision a school where IT where plenty of tools, such as augmented reality equipment, 3D presentations, air presentation, are available and widely used.

Pilot school data sheet

Name of school:

Senior High School of Pelopio



Greece

School ID: GR0010

School website: www.pelopio-lykeio.gr

School e-mail: mail@lyk-pelop.ilei.sch.gr

Address: Pelopio, Ilia, 27060

Pilot Phases:

- January – April 2013
- September 2013- June 2014
- September 2014- April 2015

Level of education:

- Pre-Primary
- Primary
- Secondary
- College

Type of school:

- General
- Special Needs
- Technical/ Vocational
- Arts
- Other

Participating teachers: Ioannis Chiotelis

"Change-agent" teacher: Ioannis Chiotelis, Giorgos Birbas, Chrisavgi Kalamboka, Antonios Spanos, Leda Spanou, Paraskevi Frangouli

Participating students: 98 Ages: 15-17

E-maturity level: E-confident

Scores:

Leadership & Vision: 100/100

ICT in the Curriculum: 88/100

ICT school culture: 59/100

Professional development: 80/100

Resources and Infrastructure: 40/100

Collaboration with other schools during the ODS pilot activities:

Yes/ No

Name(s) of collaborating school(s): Senior High school of Lalas and 8 other Secondary schools from the region of Ilia- Primary Schools of Gavdos, Kastellorizo, Karpathos.

Collaboration with school networks: The Senior High School of Pelopio is currently developing an expanding local and thematic network of schools that share common activities in the field of Science.

Other target groups involved in ODS pilot activities:

- Teacher trainers
- Parents
- Policy Makers, curriculum developers
- Please specify:
- Other, please specify: Municipality of Ancient Olympia, EA, local cultural associations/ organisations.

Potential for future involvement of other stakeholders (parents/ policy makers):**Curriculum areas targeted during the ODS pilot activities:**

- | | |
|---|--|
| <input type="checkbox"/> Arithmetics | <input type="checkbox"/> Health and social care |
| <input type="checkbox"/> Art and Design | <input checked="" type="checkbox"/> History |
| <input checked="" type="checkbox"/> Astronomy | <input type="checkbox"/> ICT |
| <input checked="" type="checkbox"/> Biology | <input type="checkbox"/> Literature & Language |
| <input type="checkbox"/> Business Studies and Economics | <input type="checkbox"/> French |
| <input type="checkbox"/> Career Education | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Media studies |
| <input type="checkbox"/> Citizenship | <input checked="" type="checkbox"/> Music |
| <input type="checkbox"/> Classical languages | <input type="checkbox"/> Philosophy |
| <input type="checkbox"/> Communication and Language | <input type="checkbox"/> Physical Education |
| <input type="checkbox"/> Drama | <input checked="" type="checkbox"/> Physics |
| <input type="checkbox"/> English | <input type="checkbox"/> Religious Education |
| <input type="checkbox"/> Environmental Education | <input checked="" type="checkbox"/> Science |
| <input type="checkbox"/> Geography and Earth Science | <input type="checkbox"/> Sociology |
| <input type="checkbox"/> German | <input type="checkbox"/> Special Education Needs |
| <input type="checkbox"/> Government and politics | <input type="checkbox"/> Technology |
| | <input type="checkbox"/> Other, please specify: Accross the curriculum |

ICT resources and infrastructures

Equipment available (tablets, handheld devices, whiteboards etc): Tablets, smartphones and lap-tops will be used in class and during outdoor activities, e.g. to explore the local ruins at the castle of Glarentza for the history project.

Repositories and tools used: Open Science Resources, Photodentro, Salsa J, Aurasma (augmented reality), SoTouch air presenting, QR creators/readers, LHSee, Adobe Connect – <http://dma.ea.gr/>

Estimated time for implementing the pilot activity: End of April 2013

Challenges foreseen: For any challenges, we will seek support from the Municipality of Ancient Olympia or borrow equipment. The students are also familiarized with organizing paper-and secretarial work or dealing with technical issues, and may also help in this direction.

Needs for technical support: Additional tablets and smart-phones may be needed and virtual reality equipment. Filter telescope for sun observations.

Needs for pedagogical support: Expert support for the “Let’s share the Music activity”, since there is no Music teacher in the school. Also support for the science and astronomy activities will be provided by the experts of the local Science Education Training Centre. Support might also be needed for the local medieval history project, by experts in this field.

Needs for teacher training: Guidance for using the online platform for the “Let’s share the music” activity.