

### Subject matters involved in the project

**Informatics**  
**ICT**  
**Physics**  
**Chemistry**  
**Biology**  
**Geography**  
**Foreign languages**  
**History**  
**Arts**  
**Music**  
**Technology**



### Project Calendar

| Period           | Activity  |
|------------------|---|
| September 2006   | <ul style="list-style-type: none"> <li>meeting with teacher, pupils, parents in order to present the project;</li> <li>elaborate and administer the preliminary questionnaires for teachers and students;</li> <li>starting exchanging e-mails between partners;</li> </ul>                                   |
| October 2006     | <ul style="list-style-type: none"> <li>starting some of the project elements in order to get to know each other (traditions, history, music);</li> <li>starting the project in science and technology areas;</li> <li>activating the discussion forum;</li> <li>starting e-mails between students;</li> </ul> |
| January 2007     | <ul style="list-style-type: none"> <li>creating the basic structure of the website and for CDs;</li> </ul>  |
| April 2007       | <ul style="list-style-type: none"> <li>administrating the yearly evaluation questionnaires;</li> </ul>  |
| April – May 2007 | <ul style="list-style-type: none"> <li>meeting project in Spain</li> </ul>  |
| April – May 2008 | <ul style="list-style-type: none"> <li>meeting project in Turkey</li> </ul>   |



Education and Culture

**Socrates**  
 Comenius

## Computer Science – Why?

### Comenius 1.1. – School partnerships Program 2006-2007

Period of the project:  
 36 month

National Agency  
 for Community Programmes in Education  
 and Professional Training  
[www.socrates.ro](http://www.socrates.ro)

National College „Petru Rareș“, Piatra-Neamț  
[www.cnpetrurare.ro](http://www.cnpetrurare.ro)

### Project Partners

|                                  |  |
|----------------------------------|--|
| <b>Romania</b>                   | <b>National College „Petru Rareș“</b>                        |
| Address                          | Str. Ștefan cel Mare, nr. 4,<br>610101 Piatra-Neamț, România |
| Headmaster                       | Mihai Obreja   |
| Project Coordinator              | Dorel Haralamb   |
| Teachers in the project          | Total: 10<br>Female: 6<br>Male: 4                            |
| Pupils in the project            | Total: 25<br>Female: 15<br>Male: 10                          |
| Age of the pupils in the project | Youngest: 15<br>Oldest: 19                                   |
| <b>Spain</b>                     | <b>Institut D'ensenyament Secundari “El Cairat”</b>          |
| Address                          | 08292 Esparreguera (Barcelona),<br>Spania                    |
| Headmaster                       | Cobos Hernández, Joseph Maria                                |
| Project Coordinator              | Benito Gallardo Duran  |
| Teachers in the project          | Total: 11<br>Female: 6<br>Male: 5                            |
| Pupils in the project            | Total: 100<br>Female: 50<br>Male: 50                         |
| Age of the pupils in the project | Youngest: 12<br>Oldest: 18                                   |
| <b>Turcia</b>                    | <b>Anadolu Güzel Sanatlar Lisesi</b>                         |
| Address                          | Atatürk Bulvari,<br>02100 Adiyaman<br>Turkey                 |
| Headmaster                       | Özçakmakçıl Zeynel   |
| Project Coordinator              | Mustafa Ekinçi   |
| Teachers in the project          | Total: 10<br>Female: 3<br>Male: 7                            |
| Pupils in the project            | Total: 24<br>Female: 14<br>Male: 10                          |
| Age of the pupils in the project | Youngest: 14<br>Oldest: 18                                   |

### Aims of the Project Objectives

- To analyze how the computer is used in schools for educational and teaching activities and how the ICT study is organized: the age of the students that may work with the computers, the profile of the classes that may have access to the computers, the structure of the school ICT syllabi (objectives, number of classes, skills).
- To analyze how computer and ICT are used to support the activities in other areas: humanities (arts, music, languages) and sciences (mathematics, physics, chemistry).
- To realize / develop teaching aid in order to improve the learning / teaching process.
- To conceive common questionnaires for teachers and students to provide useful feedback in using C&ICT.
- To exchange information by using the Internet (discussion forum and e-mail) throughout the project.
- To enable the project students and teachers to use computer.

### Activities

- Continuous exchanging of e-mails so as to inform the partners and to transfer documents.
- Designing a preliminary questionnaire for teachers and students in order to identify the starting point of the project.
- Planning periodic meetings between teachers and students in order to identify needs, weak points and to optimize the strategies (if needed) and to propose further activities.
- Checking the progress by questionnaires (once a year).
- Creating a common website in which each partner schools could present themselves and then link all the activities (projects, movies, databases for resources, contests, exam subjects).
- Creating a discussion forum for students, graduates, teachers and families.
- Students' creating projects in different subjects (e.g. studying the traditions, simulating phenomena, making short movies).
- Initiating online contests for the partners in different areas: arts, music, literature, mathematics, physics, chemistry, biology, foreign languages.
- Using C&ICT to make the final products.

### End Products

- A CD addressed to students and their families (comprising photos with traditions, habits; songs; amateur films; original paintings from partners' countries).
- A CD addressed to the teachers (comprising teaching aids and resources for classes).
- A website dedicated to the project.

### The Role of All Participating Institutions

#### 1. Common activities:

- each partner will encourage communication by Internet, by English that is a foreign language for all the partners, by means of the ICT tools;
- each partner will develop his own specific questionnaires and tests and they will order the identified common priorities so as to develop a final set of questionnaires necessary to compare the educational outcomes;
- the students and, if needed, the high-school graduates will be questioned on their drawbacks, needs and expectations. They will regularly fill in questionnaires and will be subjected to testing. Previously, the test will be debated by the students and they will be encouraged to improve them. Gradually, as the project advances, the students will be given opportunity to choose, compare and use tests from the all participating countries. They will communicate their likes, dislikes and suggestions in a final evaluation;
- the partner schools intend to exchange students and teachers in order to better know the matter-of-fact situation in the above-mentioned domain and to compare the content and methods in the domain;
- each team will elaborate the content of the final product.

#### 2. Specific activities:

- The Romanian students will mainly work on:
  - ◆ the basic website structure;
  - ◆ as the Romanian team initiated the project, the Romanian students will actually realize the website template and CD contents; they will integrate the partners' work in the website and CD.
- The Turkish students:
  - ◆ traditional music: recording, storage, processing, analysing and composing by using the computer;
  - ◆ painting: scanning, storage and computer-painting;
  - ◆ movie making: shooting, capturing, processing, CD & DVD recording.
- The Spanish students:
  - ◆ spreading information;
  - ◆ simulations;
  - ◆ problem designing;
  - ◆ synthesis work (electronics, mechanics, mathematics...).