

REPORT OF THE MEETING HELD IN FRANCE FROM 1ST TO 4TH DECEMBER 2014

On the **1st December 2014 at 9:00** the delegations of the three countries involved in the project (Bulgaria, France and Italy) met in Caen (FR) at the 'Lycée Institut Lemonnier'.

The participants were:

for Bulgaria:

Mr Nikolac Nikolov, Headmaster
Ms Fatme Mehmedova-Hyusein, teacher
Mr Krasimir Georgiev, teacher

for France:

Mr Daniel Gouilly, headmaster
Ms Odile Jenvrin, teacher
Mr Denis Leclerc, teacher
Mr Jean-Marie Berard, teacher

for Italy:

Mr Antonio Epifania, headmaster
Ms Mariella Vaccaro, teacher
Mr Michele Centonze, teacher.

After the school guided tour to the various labs, offices and other places for students' and teachers' activities, the partners met many French staff members (50 teachers) in the staff room, and then started the meeting to discuss the following points:

1. dates and organization of international meetings;
2. structure of the e-twinning platform;
3. assignment of roles ;
4. evaluation questionnaire;
5. definition of the project title.

a. As for the first point to be discussed, the partners compared the calendars of the three schools, the holidays and the busiest weeks for exams in the school year, in order to choose the most appropriate weeks for all partners for the international meetings to be held in 2015. They agreed on the following dates:

1. In France from 23rd Feb to 27th Feb. 2015;
2. In Italy from 26th March to 31st March 2015;
3. In Bulgaria from 5th October to 9th October 2015.

15 students from each invited country will take part to every meeting and three teachers will travel with them. Each school ensures that the teachers who will be sent on mobility are deeply involved in the activities of the project.

The students will be "ambassadors" for their mates who worked on the project activities at home and they will report about every activity performed during the meetings once they return to their home country.

Partners agreed on a general layout of these international meetings as follows:

1 day is 2 periods of time length 3 to 4 working hours.

1. one half day in the hosting school system with foreign students attending regular classes;
2. 3 days of transnational collaborative work onto the car,
3. 1 day and a half of transnational collaborative work out of school aimed at widening the knowledge of the culture and the social reality of the hosting country,
4. one leisure activity to bring together hosting families and students;
5. one or more leisure moments for teachers.

No parties will be allowed among students without teachers' attendance.

According to the laws approved in European schools in order to protect the students' privacy, students will have to sign an agreement for being filmed, photographed, audio recorded and published for pedagogic purposes on any media (newspapers, TV, radio, online, etc.)

- b. The e-twinning platform has already been chosen as the media dedicated to students' and teachers' online activities and communication.

Partners agreed that every participant to the platform will write in a specific colour identifying each country, that is **red for Bulgaria**, **blue for France** and **green for Italy**. Moreover, the name of each student will be registered on the platform with the code of the country (BG, FR or IT) before his/her name and the surname in capital letter, so that it each element of his/her identity will be caught at first glance and there will be no misunderstandings.

Example: FR-denis LECLERC

All teachers involved in the project will register on e-twinning portal by 15th December and the coordinator of each school will invite them on twinspace by 5th January 2015 to help them join the project online.

2nd December 2014

8:10

The meeting focused on ideas to be represented in the car. At the beginning, the French electrical engineering teachers Stephane Duchesnay, Laurent Soismier, Benoit Remy and the ICT teacher Michel Marie, took part into the meeting and made their proposals for the improvement of the e-car. On the basis of their proposals and other ideas suggested by the Bulgarian and Italian teachers it was agreed that, as a first step, students will work on the theme "What makes the electric car go?" By the beginning of March, each country will produce a lesson, to be viewed on a video conference and a final related evaluation to the other partners. Each team will answer to the evaluations by the other two countries, getting a mark that will define the winner of the competition for the best team of students. Moreover, students will choose the best lesson organized by the teams of students.

Other proposals to be developed during the project in the electrical field will be:

1. equipping the car with solar panels which could provide electricity for appliances in order to save electricity from the battery, which is essential for traction;

2. the car will be used as a lab to teach electrical circuits in the car and electrical safety issues for maintenance and repairing in order to raise awareness on laws and protocols as well as share different procedures in the three countries;
3. adding leds in the inside and the outside of the car to make students work on basic principles of electricity;
4. personalize the car's parameters using a software like Arduino, so that the system can meet some specific requirements by the driver.

At 10:30 the biology teacher Marc Damerval, from the neighboring grammar school took part in the meeting offering his knowledge and experience in the didactics as a help to deepen students' interest in environmental issues, energy sources and pollution. After that, the following teachers involved in car mechanics and engineering joined the partners in the discussion: Sebastien Royer, Alain Mirey, Martial Esnault.

Since the first meeting will be held in France in February and since the French school is the only one with car body specialists, the partners agreed that the identity of the car will be worked out in France. The car body teacher will upload a call for drawings and students will work on first drafts for the exterior part of the car, which will be sent on Twinspace by February 15th. During the meeting in France the delegations of students will choose the best drafts that will be developed later during the project and the car's appearance will be modified by using stickers or other means so that, when the car arrives in Italy for the second planned meeting, it will already show some of its 'new identity'.

It was also agreed that, as a first activity for students to start learning about the technical aspects of the e-car, French mechanics teachers will submit on Twinspace a first document about car technology highlighting the main components with flashcodes or other techniques and will ask for students' participation online by 15th January.

Mechanical developments to the car suggested and approved by partners will be an energy recovery system for converting mechanical energy from dampers into electrical energy for car's appliances and a small fuel tank to supply energy in case of emergency.

After the lunch break, at 13:30, the meeting went on with the participation of non-technical teachers: Christophe Girard, Stephanie Peyroulan, Maria Caillet, Alexandra Noel, Helene Gaslonde. It was agreed that the car could be equipped with a video projector connected to the Gps and showing interactive historical, geographical and cultural documents which will be activated according to the place where the car is travelling. Students will start in December to send a map of the region where they live and some photos of relevant sites together with questions that students from the other partner countries will try to answer. This will promote students' research and interest for different cultures.

Similarly, students will be engaged to work on the theme of globalization and diversities from the point of view of gastronomy; starting, for example, from a common element like wheat, they will develop ideas about its use, importance, etc.

A further development of the work could be the collaborative creation of a story, possibly in the form of manga, including e-cars in the plot.

After that, the partner approved the proposal by the teacher of Maths, Odile Jenvrin, to make students work on basic maths concepts but with the aim of improving their ability to talk as experts of Maths; so it was planned that French students will submit on e-twinning by December 15th videos explaining a Maths point and ending with a question inviting partners to a reply.

Wednesday 3rd December

8:10- 12:30

All partners took part into a training session given by a professional trainer from GNFA organisation.

The training was about electrical cars and the various types of hybrid cars. It explained the basic technology of each type of car discussing advantages and disadvantages and highlighted the essential knowledge about electrical safety issues.

13:30

Tour to the D-Day landing beaches of World War II and visit to the museum in Arromanches.

Thursday 4th December

8:10 – 12:00

The partners discussed on a different title from the official one, which could be easier to use on the twinspace and other publications. Trying to mix together all suggestions, the final agreed title was: “e-Day car: sustainable mobility and culture”.

After that, as the Italian had to leave by midday, a global recap of all agreements reached among partners was written down.

Written by Mariella Vaccarro, IT, December 15 2014.