

2nd transnational project meeting

MatLan *Learning maths and languages through research and Cooperation*
2014-1-RO01-KA201-002699

Results of the first year MATH.en.JEANS

Many positive aspects on the collaborative work of MATH.en.JEANS workshops of both schools . A good attendance of the students at the research sessions . Exchanges between young people at seminars , video - conferences at the congress were beneficial for the students. We also noted that the collaborative work on YOUR mathematical topics facilitated the practice of English in meetings or video conferences. Romanian students have made the effort to write their articles in French, eventually it would be beneficial for the French students to do the same in English. To improve exchanges between schools, internal seminars can be set up . Another way to exchange ideas and approaches between the two schools can be considered too, this will need to be defined at the next transnational meeting .



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MatLan project

Perspective for next year

The novelty of the project which will be implemented next year will be the assessment of certain skills. This is certainly not the purpose of classifying students but to let them evolve at their own pace and according to their qualities . This assessment will be presented in September. Occasionally , teachers , researchers and students will review the skills implemented in collaborative research workshop . The aim is to highlight the positive features of each of you.



Souvenir photos of MATH.en.JEANS conference at the University of Avignon



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Transnational meeting M2

The second transnational meeting of the MatLan project was held at the Henri Poincaré Institute in Paris on 28th, 29th and 30th May 2015. The meeting was attended by representatives of both partner schools. Guests from the associations MATH.en.JEANS and Animath were present, too. During the meeting, the participants shared and discussed the partnership's approach to assessing the competences developed through the math research workshops to make improvements to the developed assessment tools. Next year, during the MeJ workshops, we are going to use the assessment tools to monitor the development of our students' targeted competences: communication with and about mathematics; collaborative problem solving and making use of aids and tools.

At this meeting, Mr. Pierre AUDIN gave us a tour of the Palace of Discovery which allowed us to see ways to popularize and to experiment mathematics. Finally, the third day of the meeting was held in the lounge of culture and maths games. Again many stalls have given us ideas on how to popularize mathematics. At the end of the day we were invited to present the MatLan project at a round table organized by Animath association.

The next transnational meeting is scheduled for September 10th and 11th in Briançon .



Highlight the work realised

In France there are many scientific events that enable young people to value their work. Within the MatLan project, we have organised, on the 20th of May, the first math youth forum in Cluj-Napoca. The event was included in the calendar of activities of the Cluj-Napoca 2015 European Youth Capital. The students from Colegiul National Emil Racovita shared their work and research results with 47 high-school students and math teachers from other nine high-schools from our city. It was a great atmosphere – lots of hands-on mathematics activities which supported the visitors to understand both, the research topics and the students' approach to find solutions. We are eager to organise the second forum next year.



MatLan project's aim is not to get ready for competition but from time to time, when a research subject corresponds to a theme of the contest, we may consider to present a topic. Thus, the subject on « the piles of sand » applied to the contest "C-Génial". The first phase of this competition was to provide a folder with the research results. Out of 131 proposals, only 20 were selected to participate in the final contest in Paris. In the final contest, the research results of the students from Briançon on the topic of the « piles of sand » got the second prize.

For the contest "Faites de la science" students who worked on the research topic « modeling plant growth » had applied. The approach in this contest is different: it started with the selection of 10 research works. The selected teams of students participated in the qualifications in Marseilles where one subject was chosen to represent the University of Aix-Marseille in the final contest. Thus, the Briançon students met in Montpellier with 22 other scientific topics which represented each university. The students returned from that adventure with the first prize in the category computers and robotics, and the first prize for high-school students. Finally for the contest "André Parent," 6 out of 13 research folders were retained, among which the subject on « the bicycle wheel ». The beautiful interactive presentations to the public in the lounge, and to the juries have failed to win but the *Fair of culture and math games*, where the contest was held, have allowed young people to discover a lot of interactive math-activities.



Work study, research, experimentation, preparation and collaboration that lead to



C-GENIAL

Two 10-minute presentations



FAITES DE LA SCIENCE

Two 10-minute presentations qualifications
and 4 presentations of 10 minutes to the final



ANDRE PARENT

1 presentation 20 minutes