

Goerudio – effective ways of teaching scientific subjects

Warsaw, Poland

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Minutes

Participants

Zdzisław Babicz (teacher)
Urszula Dzik (teacher)
Elżbieta Kawecka (teacher)
Anna Konecka (teacher)
Klaudia Kowalczyk (teacher)
Andrzej Palich (teacher)
Daniel Roszkowski (teacher)
Bogusława Rybaczyk (teacher)
Beata Ogrodnik (teacher)
Anna Borawska (teacher)
Ewa Zielińska (teacher)
Tomasz Zaucha (teacher)
Grzegorz Grodek (trainer, 36,6 CC)

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The seminar was organized in the form of workshops. The event was organized in Warsaw along with the Scientix National Conference organized within the Scientix project, implemented by European Schoolnet. The main objective of the conference is a practical presentation of innovative solutions in the teaching of mathematics and natural sciences, as well as the integration of the teachers of mathematics and natural sciences.

The seminar was addressed to teachers of mathematics and natural sciences from all over Poland representing various levels of school education.

Contents of the seminar:

- Goerudio – effective ways of teaching scientific subjects – Grzegorz Grodek presented Goerudio project to participants, The objectives, activities and results. Special focus was paid on the presentation of the Goerudio portal: teachers experience, relevant initiatives promoting science education, educational products. Instructions were given how to navigate the portal. Participants encouraged to follow Social media of the project (especially Facebook). Examples of Goerudio comprehension models were presented.
- Goerudio Methodology – presentation of method and examples of comprehension models. Grzegorz Grodek. The idea of the comprehension models was presented, explaining that the word “model” denotes the interpretation of concepts or relations used in a theory, rule, instruction or another notion by expressing them by/through well-known, familiar phenomena and natural, conventional relation that creates a conception that is easy to perceive intuitively – image. Forms used to describe and evaluate

the models were presented. Examples of models were displayed from Goerudio.com and Goerudio project portal

- Workshops – development of comprehension models by teachers

Teachers were divided into groups of four people. Groups were established according to subjects they teach: mathematics, physics, biology. Teachers created three comprehension models and presented the results to the group (biology – model of human heart presented on the comparison to roundabout; mathematics – model of function on the comparison to athletics competition on the stadium; physics - movement of molecules).

The seminar was good occasion to disseminate Goerudio project and results to teachers from different parts of Poland.