

Applying INTERNET technology in the project: "Using the computers in the elementary schools for the mathematics courses"

For the implementation of this Project the latest computer technology in the process of realizing the subject MATHEMATICS in the elementary schools on Macedonian and Albanian language, is applied. This is increasing the pupils' interest for independent work and prompt learning of the curriculum contents.

Therefore, in the schools, a computer classroom with 25 workstations and 1 server is prepared. The teacher chooses the method unit for that class through the server with the computer program and each pupil has the possibility for individual work on his computer. Each "computer lesson" consists of a theoretical part and tasks that can be resolved interactively by the pupils. The program controls the submitted answers.

In the methodical units tests are included which can also be resolved interactively by the pupil through the computer program, and all his answers are registered in a special database. This database is used for "computer grading" and for making different analyses of achieved results by classes, by semesters, by pupils, etc.

At the end of each school year an automatic interpretation of the information for the pupils is planned in the further class, which provides tracing and archiving of all pupils' results during their education.

The application can also be used in the local Intranet networks installed in the schools, or with a direct connection through Internet to the WEB Server at the Ministry of Education. Each pupil can use the application at home if they have computer equipment and Internet access.

The final result of the Project is an Internet presentation of the entire material for the subject of Mathematics for the pupils from the 5th to 8th grade in the elementary schools.

Developing SW platform

- MS Visual Basic
- ASP
- Windows 2000 Server / Windows clients.
- MS IIS
- WEB browser
- MS – Access

End users

- Ministry of education of the R.of Macedonia
- Elementary schools
- Other interested users