New Possibilities Internet Offers In Education

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Introduction

By developing World Wide Web as Internet service that enables access to different documents all around the world, it has opened a new possibility to use it in educational purposes.
I will present you application programme Learning by Web which is made to enable secondary school pupils gaining of knowledge and self – testing in particular school subject by Web. It represents the introduction into a complete application which would integrate all school subjects.

Presentation of application programme Learning by Web

Starting form of the programme includes the index of school subjects. For now there are two subjects on the list: *Physic* and *Computer Sience* but the programme can be built-up for other school subjects too. In part *Computer Sience*, form of the programme contains two parts:
  - the part designed for the teachers
  - the part designed for the pupils
The part for the teachers includes the index of lessons, tasks the teacher should choose for pupils and defining the criteria for each mark.
In part *Choosing Of Lessons* next lessons can be chosen:

  - *Introduction into the commputer programme language C*
  - *Presentation of data in C*
  - *Input and output functions*
  - *Testing and execution of coditions*
  - *Repetition and execution by the loop*

In part *Choosing Of Tasks*, ten tasks can be chosen from the lessons mentioned before.
Lessons and key answers are shown in HTML form, so that can be easily extended and built up. After teacher chooses the lessons and tasks he wants, he approaches the defining of criteria for giving the marks i.e to determine how many tasks should be solved for particular mark f.e. for sufficient two tasks should be solved, for good three tasks, for very good 4 tasks and for excellant five tasks. After that pupil can start learning by choosing option *Pupil*. On pupils form there are options *Lessons*, *Tasks*, *Key - answers* and *Mark*. In part *Lessons* there are listed all lessons the teacher chose for pupils.
When pupil comprehends the lessons he can start solving the tasks. All the tasks can be solved by choosing one of the offered solutions.
When all the tasks are solved pupil gets the password which is used to view key answers to the tasks. In every key answer there is described a way how the task is solved. Pupil can also see the mark he got and the criteria for that mark. After that pupil can return to starting form

and start learning and solving the tasks for other school subjects f.e. Physic. In part for the teachers *Choosing of Lessons* next lessons can be chosen from the field: *Motion along straight line*:

-   *Uniform motion along straight line*
-   *Uniform accelerated and uniform retarded motion along straight line*
-   *Variable motion along straight line*

In part *Choosing Of Tasks* there are six problems. After teacher chooses the lessons, problems and defines the criteria for each mark, in part for the pupils, pupil can study the lessons given to him. After that, he can solve the problems, see key answers and the mark he got, in the same way as in part Computer Sience.

Visual Basic as a tool to realize Internet application

This programme is realized in commputer programme language Visual Basic 5.0 as ActiveX Document. ActiveX Document is a programme which can be run as independent application inside Internet Explorer and seems as Web page, and also can be installed on Web server so that is available for all users. It contains all controls and possibilities that Visual Basic offers, such as command buttons, text boxes, labels, list boxes, option buttons, images and all the events, methods and properties which are associated to these controls. The most important thing is that includes connection on Web locations, and offers making of strong application that exceed the limits of standard HTML documents.

Conclusion:

Educational contents on Web should enable pupils the independence in learning, use of picture communication, methodical learning and self – testing all with a view to successful learning. They should also enable teachers to develop the motivation for specific educational contents in pupils, individualization of teaching, making easy the process of examination and giving the marks.
Teacher enables pupils to use new, modern methods of learning they can also perform themselves at home in orther to gain more quality and operative knowledge.