

KA2 - Cooperation for Innovation and the Exchange of Good Practices Strategic Partnerships for school education

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Open Educational Resources – Test and Quizzes for Teachers

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Overview

Methods and free educational tools for testing and quizzing for teachers

In the practice have a many different methods of testing.

But, who is the best and easy?

Methods of assessment

Depending on whether the methodology of conducting the test control directly involved teacher or not, forms and methods of assessment are grouped into two main classes:

- Subjective methods - in them, the assessment is gives from the teacher. These are classic forms of exam, where the knowledge of the students is checked by placed of question, who is assessed as correct or wrong by the teacher without strictly defined criteria for assessment.
- Objective test - consisting of multiple tasks with structured answers.

Methods of assessment – objective test

They include the following three types:

- Multiple choice tasks - consist of two main parts - base, presenting the problem, and a list of possible answers (alternatives), one of which is correct or closest to the correct.

The basis of the problem can be a real question, statement or unfinished sentence. The problem needs to be formulated clearly and accurately. The alternatives must be not less than three, as the best case are 4 or 5 possible answers. Each test task must contain only one accurate, correct and unambiguous answer. In scoring a task with a structured response is given one point if indicated the right answer, or zero points if indicated wrong answer. With the task of this type we can completely cover educational content.

Disadvantage - the possibility of random guessing the correct answer

Methods of assessment – objective test

- Dichotomy tasks - Those tasks are appropriate when we need to check the factual knowledge (rules, definitions, facts).

To the learners proposed concrete statement, whose truth (honesty) it must confirm or deny, evaluating the scheme true / false (true-false-items).

Tasks are drawn relatively quickly, resolved quickly and allowing a quick check of the results.

These tests are suitable elements of the incoming tests to determine the initial level of competence at the start of a new course, laboratory seminar or training session.

Disadvantage - allow random guessing of the correct answer in 50% of cases and they are less reliable than other types of tests.

Methods of assessment – objective test

- Tasks for comparison – they allow to evaluate students' understanding of the relationships between words and definitions, events and dates, categories and examples and others.

Here, based on questions given in two columns. From the learner is asked to relate the elements from one column to the other elements.

The tasks allow relatively quickly to check the degree of a relatively large volume of factual information.

This type tasks encourage students to summarize knowledge.

Disadvantage – they adopted more difficult and is constructed difficult.

Capabilities of the test

In the developing each test system it is necessary to provide the following capabilities:

- Opportunity to expand the range of types and e-tasks, and change the default settings for each of them;
- Opportunity to create and edit from nonprofessionals of the adaptive and dynamic tests and sharing e-tasks;
- Conducting and evaluating of the adaptive and dynamic tests;
- Portability (import / export) of the tests and e-tasks from/to on-line system to / from off-line module using XML format.

Criteria for a good tests

What are criteria for a good test system?

Student’s knowledge constantly changes over time and examination of the level of acquired knowledge takes place in certain intervals of time. Tests and e-tasks are used for the formal assessment of the level of the students’ knowledge.

Criteria for a good tests

The **basic requirements**, which have to be taken into account when designing tests in order to get an adequate evaluation, are:

- The content of the test has to meet the educational goal that the teacher has placed;
- All basic questions on the given subject in the test should be inspected;
- There should be no unclear and ambiguous questions in the test that would needlessly embarrass the student.

Elements of the Test's tasks

System test control usually include a finite set of tasks, each task should have the following **elements**:

- Context - including precondition, base and alternatives;
- A number of potential answers;
- Decision among the elements of the set of potential responses;
- Form and method for entering and / or editing context;
- Form and method for visualization of the resulting assessment.

Advantages of the computerized tests

The *advantages* of the computerized tests are:

- They ensure confidence for all of the students because the students get equivalent but not exactly the same tests;
- The test control reliability is high, i.e. the results of the assessment would be one and the same, regardless of the time when taking the assessment, different teachers and other circumstances;
- The correctness of the entered answers as well as the grade are received almost instantly.

Overview of the some free educational tools for testing and quizzing

For our goals I suggest to make choice between some free tools for testing and quizzing:

- ClassMarker;
- Easy TestMaker;
- Hot Potatoes;
- What2Learn.

ClassMarker

ClassMarker is a website for creating online exams. The teacher can add videos or sounds to their exams which show is an indicator that ClassMarker has extra features than Google Forms + Flubaroo combination. It is free to use, but there are some features that require paid subscription.

ClassMarker's secure, professional web-based testing service is an easy-to-use, customizable online test maker for business, training & educational assessment with tests and quizzes graded instantly - saving hours of paperwork!



ClassMarker

The features of the ClassMarker are:

Fully Functional Testing Environment; View graded results & selected answers instantly Tip; Your data private to your account; Unlimited quizzes & questions; Randomize questions & answers; Categorize your Questions in your Questions bank; Questions selected at random on Test start Tip; Re-use Questions across multiple Tests; Multiple choice, True/False, Short answer, Essay & more; Multilingual student interface (View Languages); Security (HTTPS); Sell Exam access and receive payments instantly; Public & Private Testing options; Save Test & finish at a later date; Navigate back to specific Questions during Test; View unanswered Questions during Test; etc.



Hot Potatoes

The **Hot Potatoes** suite includes six applications, enabling you to create interactive multiple-choice, short-answer, jumbled-sentence, crossword, matching/ordering and gap-fill exercises for the World Wide Web. Hot Potatoes is freeware, and you may use it for any purpose or project you like. It is not open-source. The Java version provides all the features found in the windows version, except: you can't upload to hotpotatoes.net and you can't export a SCORM object from Java Hot Potatoes.



What2Learn

What2Learn - The fun and effective way to learn. There are thousands of revision games and quizzes or you can make your own. Whether you are revising for examinations and tests such as GCSE and SATs, or simply looking for a powerful and engaging way to develop literacy and understanding, register today and start the learning fun.

Learn through game!



Easy TestMaker

EasyTestMaker is a free online test generator to help you to create and manage your tests.

You can create multiple-choice, fill-in-the-blank, matching, short answer and true and false questions all on the same test. You can also insert instructions and divide your test into multiple sections.

Create, print and publish your tests online! **EasyTestMaker** makes it easy for you to perfectly format multiple question types, print alternate versions, and publish to the web for online tests.

Online tests are automatically graded!



Easy TestMaker

Why you should use EasyTestMaker!

- Perfectly formatted tests - Create multiple choice, fill-in-the-blank, matching, short answer and true or false questions. Add instructions and divide your test into multiple sections;
- Online tests graded automatically - Published online tests are graded automatically. View and print student's results and override grading when necessary. The same test you print, is the same test you publish online;
- Question analysis reporting - Quick and easy reports to see how many test takers answered which questions right and wrong



Easy TestMaker

- Alternate versions to reduce cheating - Alternate versions and answer sheets provided with no extra work. Questions and answer choices are automatically resorted in a different order;
- Build exams with ease - Create an exam from your existing tests with just a few clicks. At any time you can copy a question from one test to another one;
- Export to Word or PDF - Any test, any version, including answer sheets can be download as a Microsoft Word or PDF document to be saved and printed later.



Easy TestMaker

EasyTestMaker eliminates wasted time spent on formatting. Add new questions and sections, move them around as needed and let EasyTestMaker do the hard work for you.

All your tests are saved for easy retrieval.

You can make changes or print out additional copies of any test you create.



Easy TestMaker

Is this tool free?

There have a tree variants of the plans:

➤ **Free** \$0/year

An easy to use test interface; All question types available; Answer sheets; Multiple sections; Automatic question renumbering when questions are moved; 25 test limit; Publish online tests.

➤ **Plus** \$44.99/year

Automatically generated alternate versions; Exam builder; Export to PDF and Word; Spell Check; Unlimited tests, etc.

➤ **Premium** \$74.99/year

Upload images, charts or graphs; Results automatically graded; Set time limits for online tests; Print individual test results with grading marks; Export results in Excel/CSV file; Advanced online test options, timed tests, download options and more...



Easy TestMaker

TUTORIAL AND DEMONSTRATION



Thank you for your attention!

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