

# Project „IT or not IT – Reaching our goals equipped with modern tools“

## Evaluation of the tools we learned during the project - Results

During the project we learned about 30 different IT tools. All of them are in the ICT bank at the project web page in form of tutorial made by students who are project members.

(<http://itornotit.weebly.com/bank-of-ict-tools.html>).

After the first meeting, the questionnaire about value of learning and teaching of each tool has been made in one of the newly learned tool – Google survey. The hypothesis we stated was that IT tools are helpful in teaching/learning and that IT tools make those processes more interesting. The questionnaire was addressed to students and teachers – members of the project and other students and teachers from partner schools. They had to evaluate different aspects of certain IT tool – level of difficulty to learn it, need of help in learning it, value of tutorial made by students for learning it, level of difficulty in using it for learning and teaching and implementation of certain tool in learning or teaching. In the questionnaire, participants also should assess if the tool makes lessons more interesting, if it is a good idea to integrate it into the teaching/learning process and in which subjects it is the most applicable.

The quantitative data about results of survey are:

Number of questions:	10 (with the question about IT tool which is being evaluated)
Number of answers:	555 valid answers/575 total
Number of respondents:	Impossible to specify – could be 19 if every respondent evaluated each of 30 tools till 555 if each respondent evaluated just 1 tool Estimated average: 3 answers (evaluated IT tool) per each respondent = cca 185 respondents from 5 schools
Number of evaluated IT tools:	30/30
Number of IT tools evaluated by 20 and over 20 respondents (list of the tools below):	10
Number of IT tools evaluated by 40 and over 40 respondents (list of the tools below):	5
Number of subjects mentioned in questionnaire as subjects in which are those IT tools the most usable in the learning/teaching process:	14 (explanation in analysis below)

## Analysis by questions:

### 1. Please write which IT tool you are evaluating?

List of the IT tools learned in the project:

	<b>IT tool</b>	<b>Number of evaluations</b>
1.	MovieMaker	69
2.	Prezi	63
3.	Padlet	41
4.	Piktochart	42
5.	Joomag	40
6.	FB as a teaching and learning tool	28
7.	Kahoot	26
8.	Google survey	21
9.	Dropbox	21
10.	Glogster	20
11.	Weebly	19
12.	Endomondo	18
13.	Duolingo	13
14.	Publisher	13
15.	Audacity	12
16.	GeoGebra	12
17.	Moovly	11
18.	Quizmaker	10
19.	Voki	10
20.	Comicmaster	8
21.	PowToon	8
22.	MonkeyJam	8
23.	Stormboard	7
24.	BioDigital	6
25.	Mapwing	4
26.	Answergarden	4
27.	LinoIT	4
28.	Pixton	4
29.	Gamemaker	3
30.	Line.do	3

From the list of evaluated IT tools, it is obvious that some of them were evaluated much more than others. Among the first 10 tools, 7 tools from the first and second learning activity in Poland and Croatia were the most often evaluated. Two of them are from the last learning activity in Czech Republic and one of them is from the third learning activity in Spain. Students and teachers, project members and others in partner schools evaluated them right after each meeting. The reason for bigger number of evaluation could be the attractiveness of those tools. Most of them are presentations and visual tools characterized by dynamic processing and using. Obviously, students and teachers find MovieMaker, Prezi and Piktochart very interesting, where the pictures and videos are the main

content of each piece of work. Other 2 tools in the „Top 10“are for saving materials (Dropbox) and researching some topics (Google Survey).

Less evaluated tools (18 and less) are more specific and could be used in specific subjects or in some extracurricular activities. The fact that those tools are not evaluated in bigger number indicates that there should be more presentations and education for students and teachers in all partner school to promote different ways of using them. Also, some of them require more time, work and knowledge to use them, so they depend on time which students and teachers have for preparing classes or projects, seminars or presentations.

All of IT tools learned and used in project are very diverse, so they (presentation, learning, assessment, orientation, sport, brain-storming, publication...) are capable and sustainable to be developed in the future, in according to certain needs in educational process.

## 2. Are you: Teacher or Student

111 evaluations of IT tools in questionnaire made by teachers (19,3%) and 464 evaluations of IT tools made by students (80,8%).

As the project is Strategic partnership for schools, students are in the focus of learning activities, so the number of IT tools evaluated by students is understandable.

## 3. Rate the level of difficulty to learn this tool

70,6% (405) answers are from the respondent who assessed the tool/tools they have evaluated as easy to learn (with number 1 and 2), 18,1% (104) of answers are from respondents who have opinion that is between easy and difficult to learn and 11,3% (65) think it is difficult to learn (number 4 and 5).

## 4. Is it possible to learn how to use this tool without someone's help and support?

On this question 89,9% (516) answers come from respondents who answered that it is possible to learn the tool they have evaluated; 10,3% (59) of them think they need someone's help.

## 5. Did the tutorial made by students in our project help you to learn this tool?

More than half answers find students tutorials for IT tools useful, 59,1% (339) of them. Only 5,2% (30) answers came from respondents who don't find this tutorials helpful in learning. Some respondents didn't use tutorials – it shows 19,2% (110) and 19,3% (111) answers are that respondents already knew the IT tool they have evaluated.

## 6. Rate the level of difficulty to apply (use) this tool in teaching others (for students – other students, for teachers – your students)

Almost 2/3 answers – 65% (373) come from respondents who think their IT tool is easy to apply in teaching others (they rated it as number 1. and 2.). Some answers, 25,4% (146), were given by respondents who are between easy and difficult to use certain IT tool, so they think it is neither easy

and rather difficult. Only 9,6% (55) answers are from respondents who find the tool they have evaluated difficult to use in teaching others.

### 7. Rate the level of possibility to implement this tool in your work for school (for teachers – preparing lesson plans or for students – to prepare presentation for other students, to help study, make lessons more interesting)

The biggest number of answers come from respondents who are on the position that this certain IT tool is possible to implement in any work for school – 407 of them, 70,9%. A small number of answers came from respondents who has an opinion that it is impossible to implement IT tool in their work for school (6,3% - 36) and 146 (25,4%) answers shows that respondents think that it depends on subject content.

### 8. Does this tool make lessons more interesting?

Almost all answers show that respondents agree that certain IT tool, than in fact all of them which has been evaluated – make lessons more interesting – 522, 90,9%. Anyway, certain number of answers are on the position that using IT tools doesn't make any changes in lessons, they are not more interesting, 9,9% (57) of them.

### 9. Do you think it is a good idea to integrate it into the teaching/learning process in class?

93,2% (534) answers are in favour of integrating IT tools into the teaching/learning process in class. Only 7,3% (42) answers don't agree.

### 10. In which subject/s do you think is this tool the most usable?

Here, participants had multiple choice answers. There is the list of subjects and frequency of specifying for each of them. Besides of subjects, there are also some other answers mentioned by respondents.

Our idea that IT tools are applicable at the whole teaching/learning process is confirmed by very high second position of answer “any subject/every subject/all of them”.

	Subject/Answer	No. of answers
1.	English/Foreign languages	57
2.	Any subject/Every subject/All of them	55
3.	IT	40
4.	Mother tongue	36
5.	History	35
6.	Biology	29
7.	Geography	14
8.	Music	11 (7 answers for Audacity)
9.	Art	11
10.	Science	10
11.	Ethics/against social problems/social subjects	9
12.	Psychics	8
13.	Nothing/I don't really find it usable	6
14.	For any presentation	5
15.	I don't know	3

16.	Literature	3
17.	For homework	2
18.	For work in groups	2
19.	For projects	1
20.	Theatre, Physiology, Marketing	By 1

Of course, answers on all the questions depend on IT tool the respondents have chosen to evaluate. As results are common, diversity of tools could be the reason for opinion that there are some difficulty in learning and using some of them. At the same time, according to more frequently evaluated tools, we can conclude that the most of the tools are:

- Not difficult to learn and use as a tool in teaching and learning process;
- Good resource to implement in learning/teaching process;
- Good aid to make lessons more interesting;
- Possible to be used in many different subjects and topics in learning/teaching process in class, school and out of school, and not only for educational purposes.

General conclusion of our research is that the all IT tools we learned and used in the project are interesting, fun, dynamic and usable in different ways in many processes in education. Students can use them according to the content they study and teachers can apply some of them in appropriate part of teaching content or subject they teach. They are resources which can make teaching more rich, interesting and fun. It is well known, for everybody being in education process, that learning through play and fun is more efficient, so, the hypothesis set by us at the beginning, about big value of IT tools in teaching/learning is confirmed.