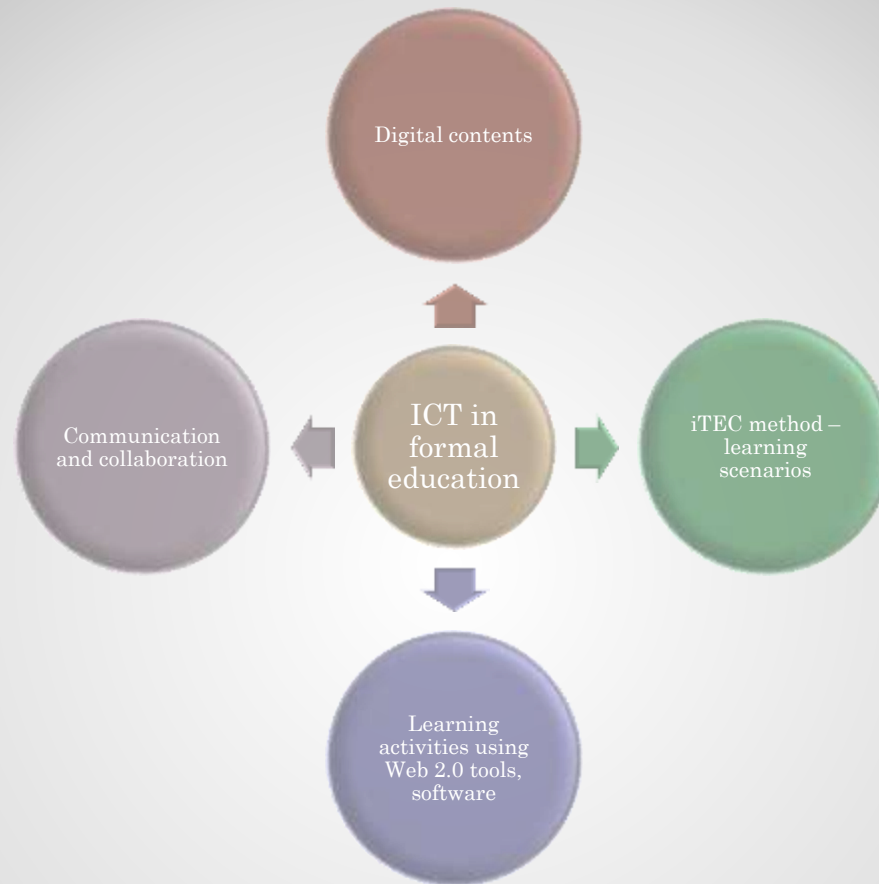


# ICT integration in Vilnius *Vyturys* primary school

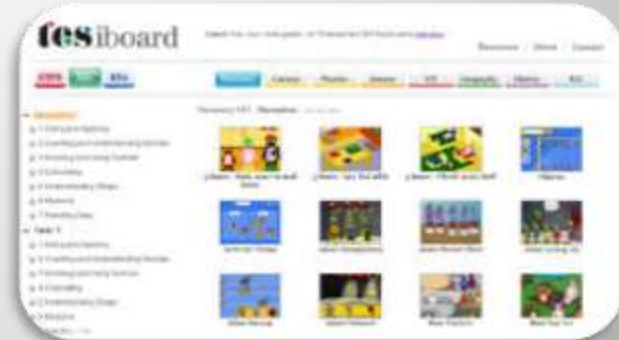
Rasa Januškevičienė, Rūta Norvilienė,  
Druskininkai, 2015 m, gruodžio 11-12 d.





In the lessons teachers use:

- Created *interactive lessons*,
- They create the lessons themselves *using interactive board software NOTEBOOK*
- *Educational internet websites for different subjects.*



**Formal education**

According to school's education plan ICT is integrated in lessons once a week:

- 1st, 3rd grades – mathematics;
- 2nd grades – basics of informatics;
- 4th grades – science.

**Formal education**

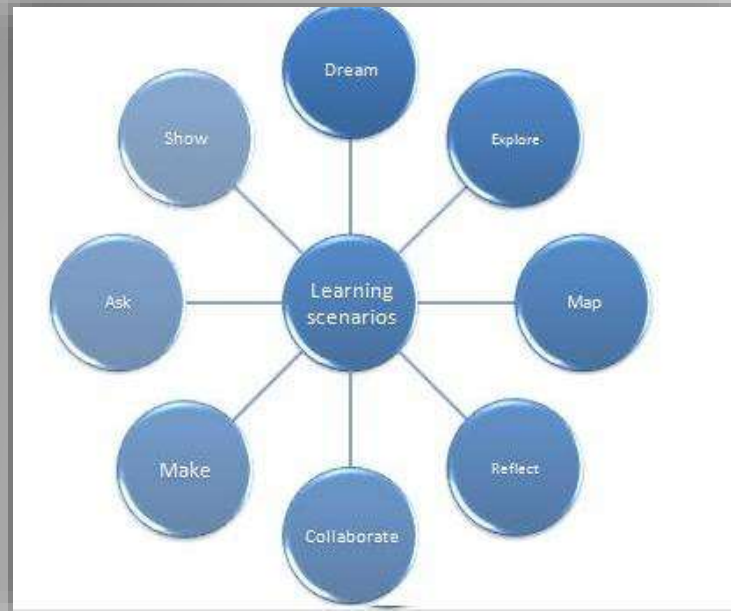
# iTEC method - *Learning scenarios in Science lessons*

There is a group of innovative teachers with open-minded attitude towards teaching and learning changes, when to rethink the traditional way of teaching.

Teachers need to rethink the methods, the tools they use and the types of problems they ask students to solve.

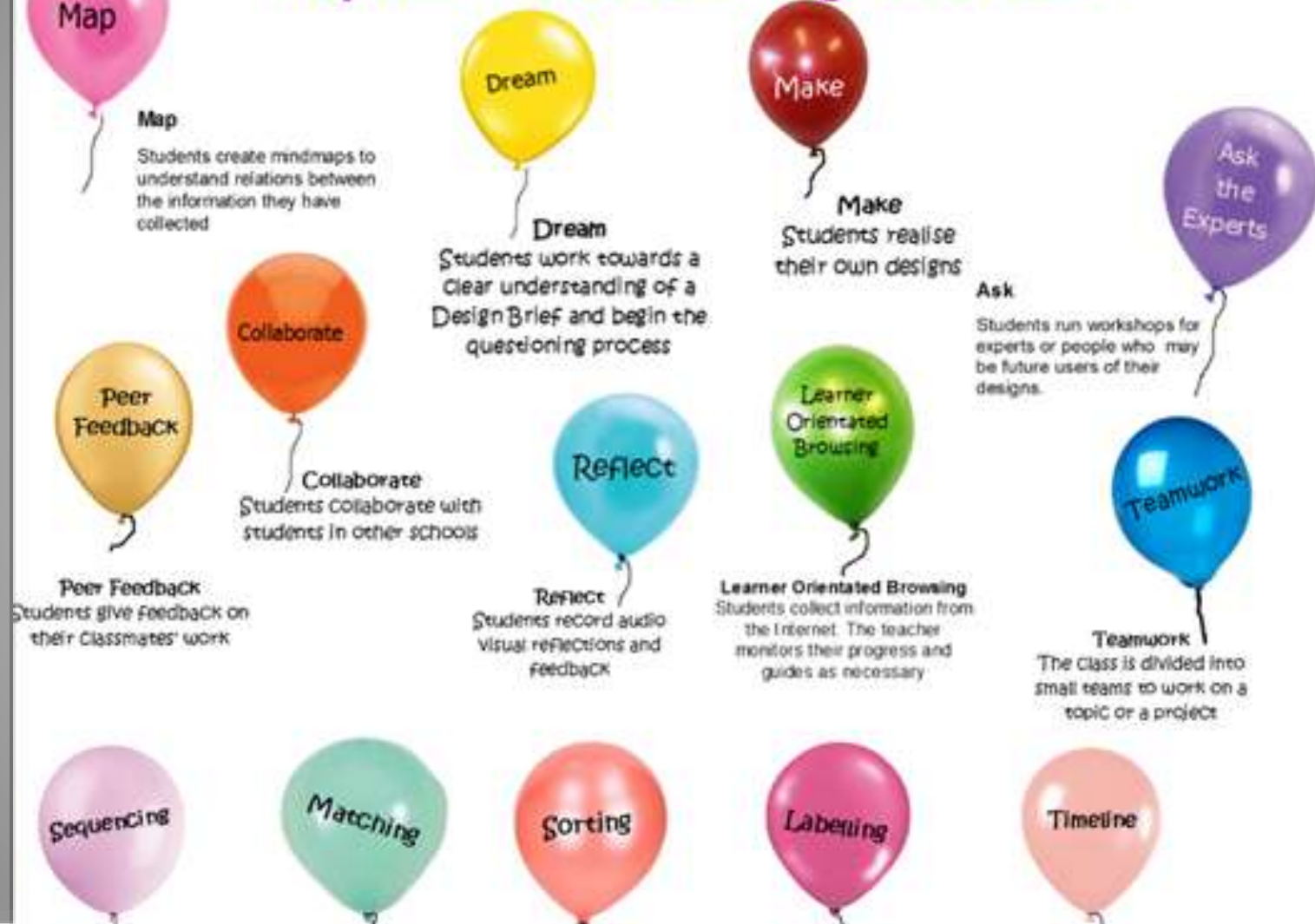
iTEC method – *learning scenarios*.

*iTEC learning activities has positively impact on students, help to develop student's 21<sup>st</sup> century skills, critical thinking, real world problem solving and reflection, communication and collaboration, creatively, digital literacy.*





# Popular iTEC Learning Activities



the picture used from website Promethean Planet



## *iTEC method - Learning scenarios examples:*

- iTEC project's 4<sup>th</sup> cycle stage. According to scenario „Tell the story“ and formal education natural science program's theme „Impact of sugar to our body“.
- ITEC project's 5<sup>th</sup> cycle stage, according to scenario „Our school – our environment“ and formal education natural science program's theme „Let's make electricity appliances our friends, not enemies“.  
[www.supermobis.jimdo.lt](http://www.supermobis.jimdo.lt)

Viena iš mokomųjų scenarijų veiklų – *tiriamoji mokinių veikla*.  
Organizuodami mokinių praktinę pažintinę veiklą, vykdome  
*eksperimentus*. Pagal eksperimento žingsnius, mokiniai kuria  
eksperimento aprašymus ir **dalinasi su kitais**.

The learning scenarios has allowed students to really see what mean to  
publish information and work through a blog, they could see how many  
people would visit them and really understand that their information  
was public.

Labai svarbus momentas – *mokiniai moko vieni kitus*.  
Sukurtas mokyklos blog, kur mokiniai gali įkelti aprašytus  
eksperimentus:

[www.vyturiolaboratorija.jimdo.lt](http://www.vyturiolaboratorija.jimdo.lt)

# Communication and collaboration through the Erasmus+ programm

- we use of eTwinning platform for online collaboration between partners;
- All products of project are upload in eTwinning platform;
- Skype conferences between countries;
- <https://twinspace.etwinning.net/2908/pages/page/26609>

Students like working together, collaborating, creating products using Web 2.0 tools. It also helps students to be more creative. They use the devices more to create different things:

- Present their works;
- Create digital stories;
- Create crosswords;
- Different quizzes;
- Mindmapping;
- Use Learningapps;
- Communicate and collaborate;
- Share the information.



- Create their teaching subject on their own and test students' knowledge.
- Observe the progress of the test and check: how many questions did the student answered, to which ones he answered and how, as well as how many points he scored.

Vendas	Pavement	Taxita profile	Taxita package	Taxita Infrared	Absorption W.	Taxima	Recruitment
Laura		2013-01-23 11:05:40	2013-01-23 11:07:28	01:48	13	16:07	92%
Laura		2013-01-23 11:05:36	2013-01-23 11:08:14	02:38	13	16:07	92%
Sarah		2013-01-23 11:08:35	2013-01-23 11:08:21	02:18	13	16	94%
Laura		2013-01-23 11:05:45	2013-01-23 11:06:45	03:08	13	12	76%
Tasha		2013-01-23 11:05:56	2013-01-23 11:08:55	03:47	13	14	82%
Alexis		2013-01-23 11:08:06	2013-01-23 11:08:29	03:21	13	16	94%
Rene		2013-01-23 11:06:51	2013-01-23 11:08:38	03:38	13	17	100%
Laura		2013-01-23 11:08:43	2013-01-23 11:10:10	03:27	13	15	68%
Jessie		2013-01-23 11:08:12	2013-01-23 11:10:37	04:28	13	7:33	43%
Diana		2013-01-23 11:07:16	2013-01-23 11:10:54	03:44	13	14	82%
Natalia		2013-01-23 11:08:06	2013-01-23 11:11:31	05:31	13	12:07	80%
Helen		2013-01-23 11:08:15	2013-01-23 11:11:35	05:28	13	16	94%
Carmelita		2013-01-23 11:05:53	2013-01-23 11:11:38	05:45	13	14	82%
Tasha		2013-01-23 11:08:22	2013-01-23 11:11:42	05:11	13	14:33	88%
Rene		2013-01-23 11:07:18	2013-01-23 11:12:19	05:01	13	14	82%
Lafayette		2013-01-23 11:09:55	2013-01-23 11:13:18	07:13	13	18	76%
Anastasia		2013-01-23 11:08:41	2013-01-23 11:13:31	08:05	13	7:57	45%
Maria		2013-01-23 11:08:19	2013-01-23 11:15:03	07:44	13	15	88%
Lillian		2013-01-23 11:08:42	2013-01-23 11:16:14	08:32	13	14:07	86%
Michelle		2013-01-23 11:08:47	2013-01-23 11:16:38	09:51	13	6:07	52%
Alexis		2013-01-23 11:07:31	2013-01-23 11:16:39	09:08	13	13	76%
<b>Total:</b>						<b>13:71</b>	<b>81%</b>

Vardas: \_\_\_\_\_  
 Pavardė: \_\_\_\_\_  
 Testo pradžia: 2015-04-21 11:03:09  
 Testo pabaiga: 2015-04-21 11:08:23  
 Testo trukmė: 05:14  
 Klausimų skaičius: 9  
 Atsakytus teisingai: 15  
 Suminta teisingai: 14  
 Rezultatas: 93%

#### Klausimas #1



Patiktame paveikslėlyje sužymėk, ką reiškia rodytėlis pažymėti skaičius.

- |                        |         |
|------------------------|---------|
| 1. Oravimas ...        | 1 ... 1 |
| 2. Kondensacija ...    | 2 ... 2 |
| 3. Krituliai ...       | 3 ... 3 |
| 4. įsigeria (žemę) ... | 4 ... 4 |

Taškų skaičius už teisingą atsakymą: 4

Suminta teisingai: 4

#### Klausimas #2



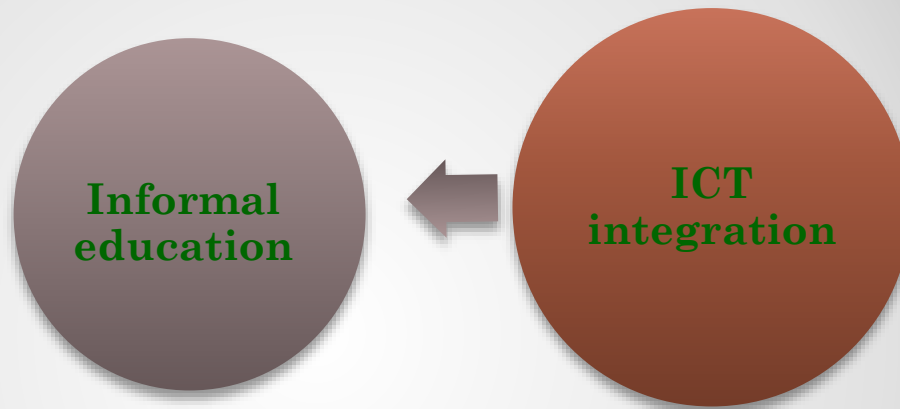
Tomas atliko bandymą. Gerai įsiūbė (paveikslėlyje modeliuojama) stiklinėje yra mažiau vandens? Parašyk, koks procesas vyko.

Atsakymais: Garavimas

Taškų skaičius už teisingą atsakymą: 4

Suminta teisingai: 4

**Each student gets the feedback after completing the test.**



**Informal education**



# Informal education



Programming with Imagine Logo  
Participation in National contest of Logo



Programming with Scratch



Participation in Bebras - international contest on  
informatics and computer fluency



Collaboration and communication in eTwinning project “T@lk to me” with Romania and Poland using TwinSpace.



Student Council *Vyturiukų draugija* administruojamas puslapis [www.vyturiukudraugija.jimdo.lt](http://www.vyturiukudraugija.jimdo.lt) mokykloje.



Digital storytelling.  
<http://vezliukai.jimdo.com/logo-pasaulyje/>

# Informal education