

Project Deliverables

under the project "Best water Use" with the acronym BestU, financed under grant contract B2.6f.05 from 02.10.2017 under the Interreg V-A Greece-Bulgaria 2014-2020 Cross-Border Cooperation Programme."

The project results are aimed at pedagogical specialists from all educational stages:

- Pre-school,
- Primary,
- Secondary,
- High school.

Project results:

Work Package 1 - Project management and coordination

Work Package 2 - Communication and Distribution

Work Package 3 - Exploring the current situation

Work Package 4 - Development of an environmental education programme

Work Package 5 - Pilot action: Create the "Best water use" label

Work Package 6 - Notification - Networking and capitalisation

Project results deliverables /1/:

Report on approved educational programs in kindergartens and primary, primary and secondary schools with regard to ecology and special use and conservation of water as a natural resource.

Detailed Curriculum with topics and horarium for conducting specialized training on the topic "Sustainable water use – Sustainable Water Use" with a duration of 40 hours for learners with a profile of teachers and educators from primary, primary and secondary schools and kindergartens and 20 learners in each training group.

Additional training materials for the learners to the already translated and adapted "Guide for trainers" for conducting specialized training on "Sustainable water use – Sustainable Water Use".

Products /2/:

Methodology for conducting the trainings in accordance with the "Trainer's Manual".
The inverted classroom methodology was chosen as a model.

Round table with educators, teachers and representatives of school administrations to present the general and specific training and educational objectives developed, Guide of trainers, the developed detailed curriculum and the upcoming trainings.

Report on the general and specific learning and educational objectives aiming at and indicators to measure their achievement.

Translation and adaptation of "Handbook for trainers for specialized training on "Sustainable water use – Sustainable Water Use".

TEACHER TRAINING

2 groups X 20 teachers from the town of Devin from

- kindergartens, primary schools, lower secondary schools,
- High schools

40 Total

In the following disciplines:

Biology, chemistry, mathematics, history, geography, literature, Phys Ed., music, etc.



Kindergarten teachers have created several lessons on the topic WATER.

The importance of water for our health – personal hygiene, safe games, the human body.

Conservation of water resources – at home, in kindergarten, in the city.

Water circularity in nature – with examples of how the balance in nature is fragile
and how human intervention rarely leads to good, unless it is in an already destroyed
environment.

Water and Earth – distribution, water bodies, condition of life.

School teachers have created exemplary lessons in their subjects, in which special attention was paid to the topic Water and protection of water resources:

1. Sample math lesson – how much water is needed for production of a mobile phone?
2. Exemplary lesson in economics – Marco Polo tells Frederick Nimeyer his experiences, and he gives him advice to become a trader and explains to him what that means.
3. Sample history lesson – Intrigue, which entangles Anna, the wife of Tsar Kaloyan, to use Baldwin Flanders. Historical modelling –
Why is the capital of Byzantium located in this place? Importance of the sea routes.

Sample biology lesson:

construction of the human body,

fluid pressure,

blood pressure,

factors on which blood pressure depends,

importance of water for maintaining life and health,

excessive or excessive water consumption.

60-minute lesson
for children mixed group
grades 1 to 4

The teachers told us that
that the children discussed
the content of the lesson
until the end of the school year
and had memorized
everything.

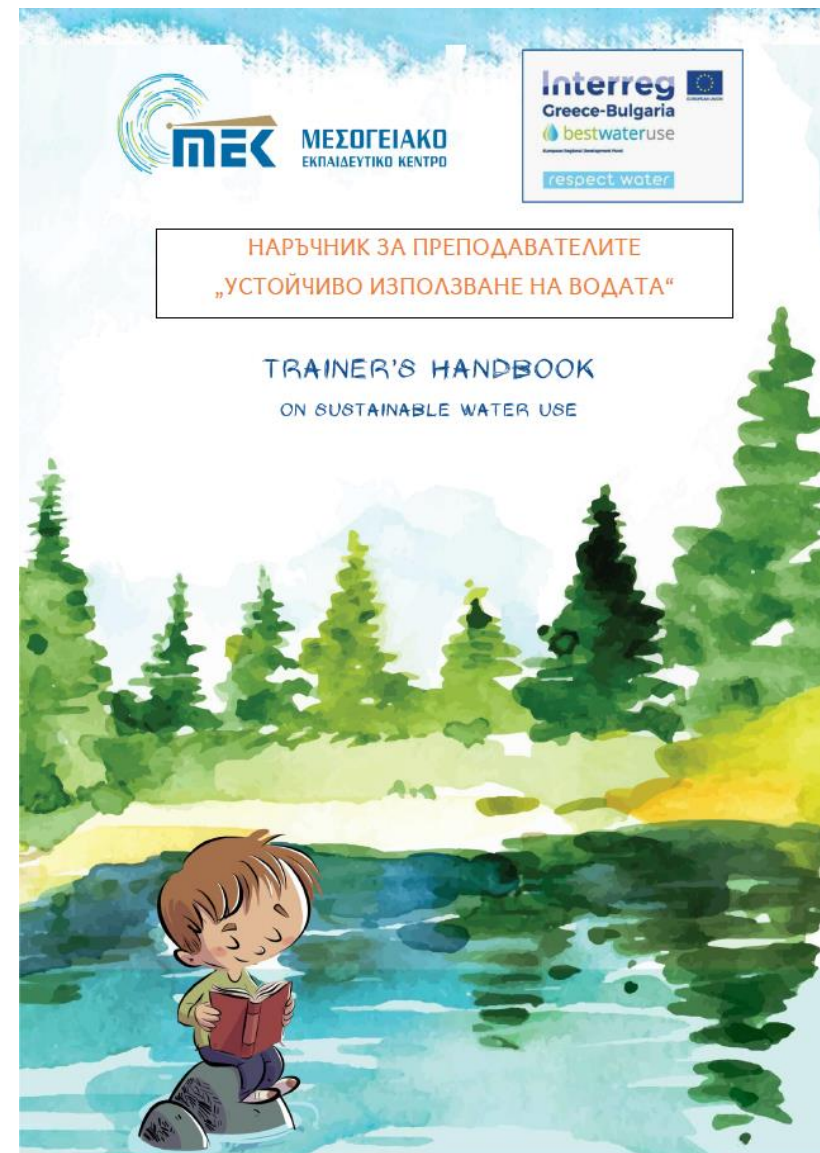
Students from 4th grade
received excellent ratings
at the National Test.



Импровизация с деца на тема ВОДА

363 views • Jun 5, 2019

As a basis for the lesson with the students,
as well as the trainings served the translated and adapted
Teacher's Guide "Sustainable use of water"



ПРОУЧВАНЕ НА ОТНОШЕНИЕТО КЪМ ВОДНИТЕ РЕСУРСИ И ТЯХНОТО ОПАЗВАНЕ
АНКЕТА ЗА САМОСТОЯТЕЛНО ПОПЪЛВАНЕ ОТ ГРАЖДАНИ ОТ СМОЛЯНСКА ОБЛАСТ

Уважаеми господине/госпожо,

Вие държите в ръцете си анкета за ползването и опазването на природните ресурси, организирана от община Гоце Делчев. Молим да отделите 15-20 минути от времето си и да споделите опита и мнението си по повдигнатите в анкетата въпроси. Анкетата е анонимна и Вашата самоличност не може да бъде разкрита. Моля да отговаряте искрено на въпросите, като заграждате избраните отговори. Благодарим предварително!

1. МОЛЯ ВИ ПЪРВО ДА СПОДЕЛИТЕ КАКВО ЗА ВАС Е ВОДАТА, КАТО ИЗБЕРЕТЕ ЕДНА ОТ ИЗБРОЕНИТЕ ОПЦИИ:

- 1 Консуматив
- 2 Необходимост
- 3 Богатство
- 4 Нямам мнение/ Не съм се замислял

2. ЗА КАКВИ ЦЕЛИ СЕ ПОЛЗВА ВОДА ВЪВ ВАШЕТО ДОМАКИНСТВО? (Отбележете един отговор на всеки ред)

	Да	Не
За пряка консумация	1	2
За приготвяне на храна и напитки, вкл. консервирани	1	2

A questionnaire was created, through which to investigate the best practices and attitudes to water resources and their conservation.

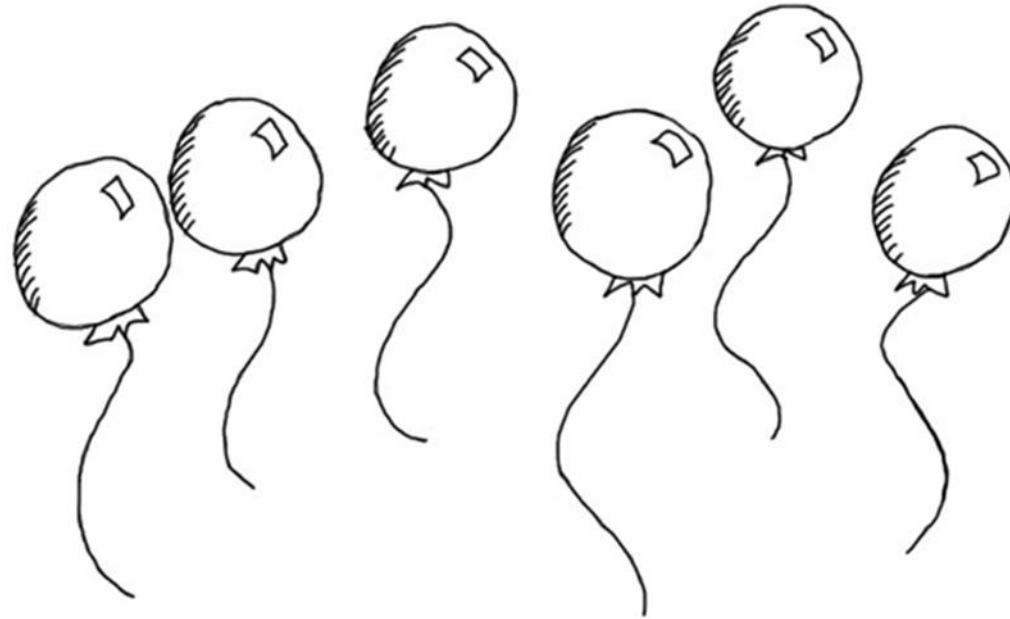


ATTITUDE TOWARDS WATER RESOURCES, THEIR PROTECTION, EFFICIENT USE AND MANAGEMENT

Quantitative survey within

“Best Water Use” project

ROSSEN PASHOV



Introduction to the Flipped Classroom Methodology

Принципи

The new material is obtained for homework:

1.1. videos – best if they are personally created by the teacher of the children

1.2. ideas for conversations with parents or other relatives

Initial coding occurs before meeting the material at school

The teacher delivers the lesson, believing that the students know nothing.



Conclusions and final remarks:

Teachers enriched themselves through a new methodology and through the interdisciplinary approach in constructing lessons

In meetings with teachers after the training, they shared that students exhibited active and strong interest in their lessons

Increased interest leads to higher marks

Higher marks create the idea that students learn with ease

Learning with ease is transformed into increased prestige of the teacher.

АИР ВИСОКИ ЗАПАДНИ РОДОПИ
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Thank you for your attention!