OŠ "Đuro Pilar" Slavonski Brod

Škola u kojoj dobre ideje postaju stvarnost

STEM for life

Key Action 2 - School Exchange Partnerships

United Kingdom- Croatia- Malta- Sweden – Turkey - Italy

Erasmus+

O projektu

- Kontekst ovog projekta je usmjeravanje razmišljanja djece prema održivom razvoju u njihovom životu. Projektu se pristupa kroz poučavanje znanosti i tehnologije u okviru nastavnog plana i programa.
- Ciljna skupina za učenje znanosti i tehnologije su djeca koja takve materijale često površno proučavaju. Povezivanjem svakog fokusa sa cjelokupnom temom želimo osnažiti djecu kako oni ne samo da nauče određene podteme, već i shvate zašto su važne.
- Cilj je osvijesti učenicima i učiteljima ono što svaka podtema može ponuditi budućnosti njihove zemlje te staviti djecu u ulogu pokretača za napredak. Kako se istražuje svaka podtema, od učitelja se očekuje da omoguće djeci da kontaktiraju lokalne tvrtke koje djeluju u okviru podteme i stoga proces učenja djecu postavlja za stručnjake u rastu. Intervjui s tvrtkama tada djeluju kao dodatna informacija koja djecu trebaju privući da stvore vlastite digitalne vodiče za učenje za ostale sudionike odgojno obrazovnog procesa.
- Predmeti koje ćemo podučavati djecu su znanost i tehnologija opisani u Engleskoj kao STEM (Biologija, Kemija, Geografija, Matematika, Tehnička kultura, Informatika) otuda i naziv projekta. Projekt će se usredotočiti na šest podtema.

O projektu

- Naziv programa: Strateška partnerstva/Razmjena primjera dobre prakse
- Nositelj projekta: Rayleigh Primary School, Rayleigh UK
- Partneri:

1. Sivas Bilim ve Sanat Merkezi, Sivas, TURSKA
2. Nya Rydsskolan, Linköping, ŠVEDSKA
3. Theresa Nuzzo School, Marsa MALTA
4. Istituto Bilingue Don Morinello, Licata, ITALIJA
5. OŠ „Đuro Pilar" Slavonski Brod, HRVATSKA

- Sredstva: 34.680,00 € (9220.00 €)
- Vrijeme: Listopad 2019. – Listopad 2021
- uključuje mobilnosti nastavnika Rayleigh/Sl.Brod/Sivas/Marsa/Licata

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STEM for life - Projektni tim

- Ema Filajdić, koordinatorica pedagoških istraživanja
- Sanja Kosanović, koordinatorica za IT
- Tanja Soldan, koordinatorica za FIZ
- Inja Čižmek, koordinatorica za GEO
- Martina Anušić, koordinatorica za BIO
- Mirta Malčić, koordinatorica za Kem
- Ivan Ilišević, koordinator aktivnosti
- Igor Nikičić, voditelj projekta
- Kolege/kolegice suradnici

Rezultati:

- Website - Innovative Practices in the digital age. ICT and digital technologies. The results of the project will be an interactive website holding the work of our children. This work will be in two forms. Firstly the science, secondly the models the children make. The creations of the children will also be presented as training materials created by the children through 123 Go. These materials will award participants with certificates to show they have understood the subject matter. It will also have suggestions on what to do to improve the impact of modern living. This is the aspect where we wish our children to be campaigners for change. As a simple example, children can make a short campaign video for the website on turning off the lights. A similar idea to what used to be produced by the government as 'public information films'. This can be linked to further tasks as children then track the amount of energy they have saved. The potential for digital evidence of activities linked to sustainability are endless.
- Models Created By Children. - New technologies; We will teach children about the forces that act upon a physical structure. This will be a natural part of designing and building. As such, models will be made of card, paper, balsa wood and recycled materials as the project develops. Our Turkish partners are contributing control technology with regard to the model making. This means children need to link the electrical motors that power their models to digital devices.
- Children as Advocates for Sustainable Living. - Energy and Resources, Environment and Climate Change; As the children learn about the differnt themes in the project, they will be asked to create awareness raising. This will be as simple as contacting the local power company to ask them about how they ensure their energy is sustainable to making banners, writing to Members of Government or asking parents to walk instead of driving to school.
- Improved Teacher Knowledge. - Supporting educators; During each teaching and learning mobility the partners from each school need to discuss and share their curriculum in the specific subtheme. This allows cross training between colleagues and each to deliver their specialism. Each teaching and learning meeting also allows reflection upon the learning that has taken place on the previous theme and ideas that were successful can be carried out by all partners.
- Improved Child Knowledge. - Supporting individuals in acquring basic skills and competency. Although it is impossible to fit the whole science curriculum into this form, each county will deliver the science curriculum to their children. By using model making and sustainability their will be improved memory retention of science content by the children.
- A Digital Science Fair. - Innovative Practices in the digital age. ICT and digital technologies; Although challenging, we hope to be able to create a digital science fair. This a far reaching but wondrous objective.

MOBILNOSTI radi učenja

2 SUDIONIKA

C1 Short-term joint staff (UK)

- *training events 09-2019 Our Global Crisis*

C2 Short-term joint staff (CRO)

- *training events 01-2020 The Sun - Life of Our World*

C3 Short-term joint staff (TR)

- *training events 05-2020* ***Wind*** *- Windmills of the Past and Present.*

C4 Short-term joint staff (UK)

training events 09-2020 The Weight of Water

C5 Short-term joint staff (CRO)

- *training events 01-2021 Home and Habitat*

C6 Short-term joint staff (TR)

- *training events 05-2021 Rubbish - Our new Resource?*

1. TEMA

Problemi s kojima se naš planet suočava, klimatske promjene, zagađenje itd.

Omogućava djeci da se upoznaju, a zatim i drugima pokazuju razloge zašto je ovakva aktivnost važna.

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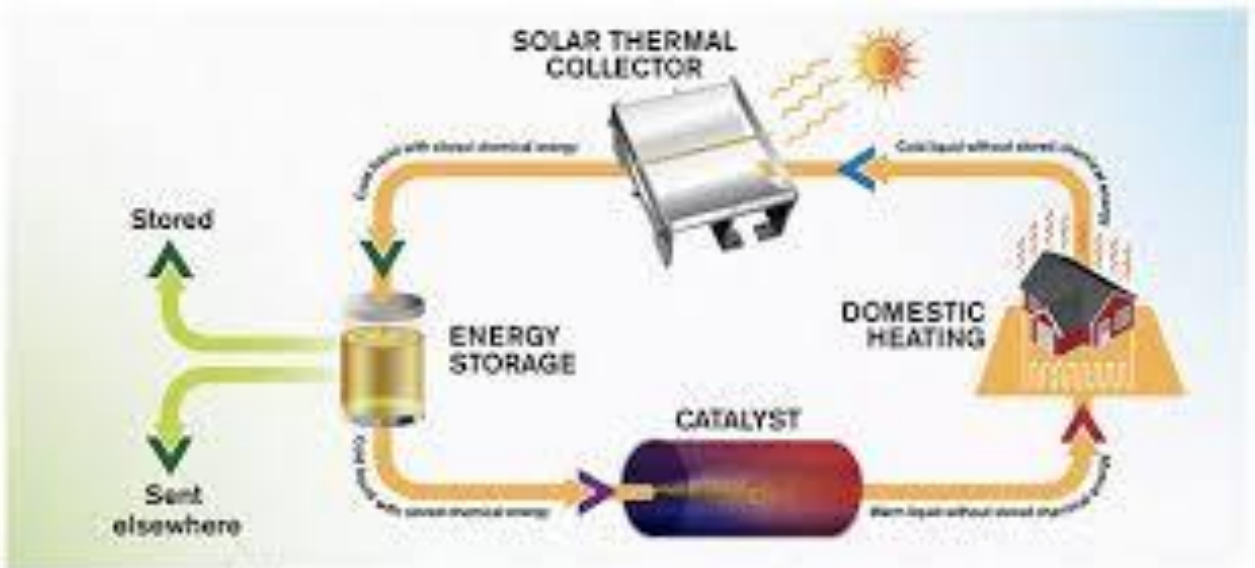
2. TEMA

Znanost i tehnologija sunca.

Fokus na svemu što se može postići korištenjem sunca.



The energy system MOST works in a circular manner – completely free of emissions, and without damaging the molecules carrying the energy.

STEM for life

3. TEMA

Znanost i tehnologija od vjetra.

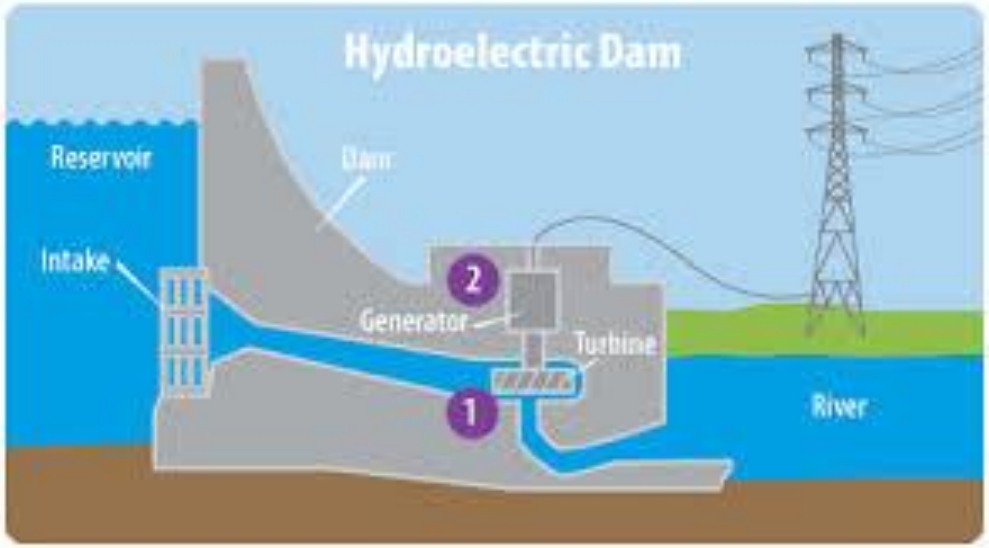
Fokus na svemu što se može postići korištenjem vjetra.

STEM for life

4. TEMA

Znanost i tehnologija iz vode

Fokus na svemu što se može postići upotrebom vode.



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5. TEMA

Znanost i tehnologija u staništima.

Fokus na staništima, uključujući i ljudsko stanište

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6. TEMA

Znanost i tehnologija u recikliranju.

Fokus na recikliranju i gospodarenju otpadom

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