STE(A)M IT STORIES OF IMPLEMENTATION

Title of your Story

The Solar System and the Earth: Where could humans live instead of the planet Earth?

Name of the Author(s)

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The Learning Scenario Implemented

Add below the link to the learning scenario you implemented in your class. The link must directly point to the resources on Scientix Repository and STE(A)M IT Website.

http://steamit.eun.org/the-solar-system-and-the-earth-where-could-humans-live/

http://www.scientix.eu/resources/details?resourceId=28395

The Implementation Context

*Briefly describe the context of your implementation, specifying what subject(s) you chose to implement the learning scenario in, how those subjects relate to STEM careers, what was the students' age(s), the size of the group, previous familiarity with real life scenarios, what real-life questions did you choose to address, etc. We aim to gather stories of **classroom implementation**, so the context must appropriately reflect this. (maximum 300 words).*

The implementation happened in 4 different subjects: math, natural sciences, citizenship and language. The class had 20 students from 10 to 11 years old. It was their first time working with a real-life problem and the same project in different subjects.

The Narrative

__What did you do?__ Describe how you used the selected learning scenario in your teaching. For example, what was the structure of the lesson activities; did you make any adaptations to the resources? Did you include any online activities in the implementation? (maximum 200 words).

Before the implementation we selected some tools to replace some others proposed in the original LS, because our students were not able to use them, like Golab and Kahoot. For activity 1, we choose to use a Padlet. For activity 2, we use a similar YouTube video. Also, for activity 3, we choose Portuguese online data, as our students are not able to understand English. We also searched for new online resources in Portuguese, because our students were very young and didn't had the necessary knowledge of the english languade to understand the original ones.

The Collaboration Process

> ***How did the collaboration with other teachers go?*** *Please, describe how was working together with the other teachers and what was the approach to carry out the lesson(s). (maximum 150 words).*

This school year we work in different schools, so it was a bit different from last year. And because of the covid-19 situation, we had to work remotely most of the time. It was also difficult to find a common time to work with the students due to the same fact.

Learning Outcomes

> ***What did you achieve?*** *Describe the main learning outcomes you achieved with the implementation of the Learning Scenario. Tell your reader about anything that supports your case for achieving these learning outcomes. For example, students' view, or any other evidence[1] that illustrates the benefits and impact of using this Learning Scenario? (maximum 300 words)*

Students were very enthusiastic about this LS. They were very curious about all the planets in the solar system and about the living conditions for human beings. It was interesting to see students asking so many questions about why it is not possible to live in the moon, for example, and why it is so important to have clean water, oxygen and gravity, for us to survive.

Teaching Outcomes

> ***What did you, as a teacher, get out of teaching with a STE(A)M IT Learning Scenario and resources?*** *How did the usage of the STE(A)M IT Learning Scenario go? What should teachers and students watch out for to make effective use of a Learning Scenario created to support the integrated STEM approach? Please also describe your experience in collaborating with teachers of other subjects. What was different from traditional teaching? What advice would you give to another teacher planning to implement the same Learning Scenario about the achievement of the desired learning outcomes? (maximum 300 words).*

Working with interdisciplinary activities is always a challenge, as we have to work with different subjects and understand what each one of them can bring to the learning path. It´s not the first time that we work like this, but it is still not enough, and we need more professional development in this area. It's always easier to work with your own LS, but using someone else's LS is also a great way to learn and improve our way of teaching.

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[1] Remember to refer to the point 6 of the guidelines.

Challenges

Did you face many challenges? *If yes, how did you address them? Tell us more about your implementation issues, obstacles (practical or in relation to your school's organization/resources/environment), communication and planning issues, lack of knowledge, attitude towards STEM, etc. What did you do to overcome these challenges? (max. 200 words)*
The main challenge was to find extra resources in our students' language, and also working remotely, by using online platforms for communication.

Thank you!