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Climate change impact through the understanding of natural disasters following a STEM approach which bridges the online and offline worlds in a hands-on educational play context

**The Consortium**

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PAMUKKALE UNIVERSITESI

***Project Number : 020-1-UK01-KA201-079141***

**Project Results**

* STEM4CLIM8 Console with an Assembly Guide & Video in 4 Languages
* Physical Computing Blocks with a special Guide to connect and interact with the STEM4CLIM8
* A custom Minecraft Pi Edition world
* 3 Lesson Plans directed in Climate Change and NATUTAL Disasters
* 3 custom designed STEM4CLIM8 Minecraft Education Worlds
* 1 Knowledge Dissemination Portal for step-by-step guidance to the educators

**Project Goals**

The project has the following objectives:

* To support teachers and other educators in developing more practical and engaging approaches to teaching STEM.
* To develop a set of materials and resources that support these new STEM and environmental learningapproaches.
* To promote STEM skills and employability among children and young people, as well as a sense of environmental consciousness.

**Needs**

The STEM4CLIM8 project aims to help remedy the above-stated problem by assembly a special console and related learning materials.

The console will function not only as a platform for learning tools, but as a learning tool itself, with programming and creating their own scenarios and games using physical computing.

Accompanying this will be a set of lesson plans to support teachers in using this console to deliver relevant and engaging lessons to young people that link up STEM excellence and practical knowledge with a sense of environmental consciousness and awareness.

This will all be supported in a more organic way by the STEM4CLIM8 Club, which will allow teachers and other users and practitioners to ask questions, seek advice, and interact with each other to deliver peer-to-peer support and develop the project resources further.

To create a community of practice for teachers and other educators in STEM,through a virtual Club, that will be able to share knowledge and broaden the reach of the console and supporting resources.