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Searching Through Earth's Minds

Diana Bejan

National College of Computer Science, Physics, Piatra-Neamt, Romania (diacris@gmail.com)

Exploring the Cosmic Space and using of new technologies have always been fascinating areas for everyone, but especially for students. Activities in this context become great learning motivators, allow learning to be extended outside the school, connecting students with the surrounding world and helping them to acquire the 21st century skills.

In the context of STEM (Science Technology Engineering Mathematics) and PBL (Project Based Learning) concepts, Cosmic Space becomes a huge research laboratory, a perfect and accessible learning environment where scientific concepts are directly and vividly applied. Introducing the elements of Space Science and Technology in the Physics learning process and focusing on using new technologies are very important in understanding concepts, developing investigation and innovation skills and improving the learning outcomes. Giving to the students the opportunity to be involved in projects that study the Earth from Space help them also understand it's evolution, as part of the Universe.

The poster is reflecting the approach and the results involving the students from my school in international space related projects and competitions. The CanSat Competition, the IRISS Space Robotics Competition, the AstroPi Competition organized by ESA (European Space Agency), the Zero Robotics Competition organized by MIT (Massachusetts Institute of Technology), NASA and ESA, the Sally Ride Earthkam project organized by NASA are some of them.