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Sand Box - Tectonic plates in Your classroom

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Exploring tectonic plates and their moving from the past untill today is very difficult for students in primary school. If You want students to understand this subject You must be creative because creativity is the key to success in the future. This is the reason Danilo Borovnica made sand box and now we can easily, through game, make students understand what is going on when tectonic plates move, how mountains rise, how oceans change their size and depth. Combining geography and mathematics we made success in approaching these topics to our students. They easily play with sand, make relief, move continents and watch how it looks like on topographic map. Map changes it's look with every move in sand box. AR (Augmented Reality) Sand Box is the sandbox in combination with 3D visual application. Augmented Reality is the concept of seeing the world with computer generated text, picture and sound. When hand stir in the sand box, create a landscape that comes to life and make it the way you want. The sand is increased in real time with a map of altitude color, topographic contour lines, simulating water.
Our poster presents one of the activities We realized with our students.
Subject: geography, mathematics
Grade: 11-14 years old
Duration: Two class periods
Objectives: Students will: Understand how tectonic plates move and what their moving causes.
The poster presents photos of this activity.