Name(s)	Project Number
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Project Title

Comprehension of Slope Stability with an AR Sandbox

Abstract

Objectives
Construct an Augmented Reality Sandbox to understand landslides/ find the most efficient method in preventing landslides

Methods
Manipulating the sand in the box to varying degrees of slope and simulating rainfall to create simulated landslides/ Laptop computer running Linux software programmed to display a real-time topographic map from a projector and xbox kinect sensor on top of the sand in the box

Summary Statement

We constructed an AR Sandbox to further understand the physics of landslides

Help Received

We received help from our environmental science teacher, physics teacher, a parent, and a brother.