


“Let’s start Anew Robotics”

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2014 CEF GRANT RECIPIENT





After months of intensive foundational learning with the Lego NXT robots, JES delves into the next challenge: Building the EV3 robots and creating an I Movie script to turn our STEM unit into STEAM.

Building begins with cooperative groups and honoring all ideas.



The robots are built...the programming begins...the learning is challenging...all are engaged to do their personal best.



Scripting...filming...editing...refining
...striving...





Our 4th graders have had the excellent educational opportunity to engage in critical, creative thinking by having Robotics as part of our curriculum. There are so many skills that are learned through Robotics, but as an Educator, I see, above all, perseverance in learning as the most significant attribute of this unit.

This multi-dimensional whole-brain learning approach involves much more than programming, which, in and of itself, is a very complex challenge. By imbedding the Arts and script writing into the Robotic challenges, students are tasked to work as a team and flesh out a full production. Both hemispheres are used to create meaningful work. It is a joy to teach this unit and I see huge educational and personal gains in all my students. This learning synthesizes over months of elaborate, engaged problem solving. There are no easy answers here and I strongly believe this type of challenge is what is missing in many classrooms throughout our country.