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# Showcasing grants at

Creek View Elementary Oakwood Intermediate A&M Consolidated High School

April 4, 2017

### **Creek View Elementary**

#### Julie Hamilton - Head Start Outdoor Classroom

This outdoor classroom for Head Start students includes several areas where children can experience hands-on activities. Being outdoors is very important to children and with this environment, the goal is to help the students grow in math, science, literacy, fine arts, communication, and social and emotional skills by bringing the inside learning environment outdoors.

#### Dawn Newton - Breaking Out of the Box

Breakout EDU boxes are a fascinating way to engage kids on any topic or subject area. Kids are asked to solve a series of original curriculum based problems in order to breakout of the box "escape room" style. Breakout boxes provide excitement and engagement and promote critical thinking skills.

### **Oakwood Intermediate**

#### Shawna McDermott - A Race to Success

One of the creative ways the Oakwood science department teaches physics is through the design, creation, and race of CO2 Cars (carbon dioxide fueled). This project supports the concepts that they teach in their physics unit by supplying 3 electronic CO2 race systems for race cars built in science classes.

#### Theresa Kendall - Ukuleles in Unison

This grant provides ukuleles and instruction materials for the elementary and intermediate campuses that do not currently have them. Students will be excited about the music they can produce as they learn to how to read lead sheets and chord charts, and learn about several genres of music including reggae, country and pop.

## **A&M Consolidated High School**

Nikki Graff & Shannon Warhol -

#### Next Generation Stitch: Custom Embroidery and More

This grant provides special education students vocational opportunities in a "real world" setting. Through the use of the embroidery machine, special education career prep students will run their own student-led business. This will allow them to work on vocational/entrepreneurial skills such as, bookkeeping, accounting, management, etc. They will also learn to how to take custom orders, create the end products and collect funds.

### Chad Bronowski - Bringing Gene Regulation and DNA Sequencing to High School Science

This grant brings concepts to life as students incorporate jellyfish DNA into a bacterial culture, causing it to glow when exposed to UV light. Students will also learn DNA extraction techniques, prepare samples of DNA, and send the samples to be sequenced. After sequencing, students will then employ computer databases to compare and identify the organism from their DNA sample's sequence.



