

Ashe Bright Ideas Winners with Grant Descriptions:

Stephen Simms

Gentlemen Check Your Engines - Students in all levels of automotive classes will compete to diagnose issues and troubleshoot engine problems using a standalone computerized engine management system that will control an engine on our engine run stand.

Brian Armstrong

Forensic Science DNA project - In this project DNA would be amplified via a PCR machine, which the students would run on a gel to compare DNA fragments. This practice is commonly used in crime scene forensics as well as paternity tests. Students would be able to use real DNA and perform task that real lab employees would do. This serves as a form of challenge based learning in that the students are trying to solve a crime, and in doing so they must understand this procedure.

Dawn Richardson

History of a Town through Barn Quilting - Students will have the opportunity to research the history of the Lansing Area and create two barn quilts to be placed on the barn and restroom facility at the Lansing Creeper Trail Park. This opportunity will help them realize they play an important role in their community.

Tamara Kearley

SPRKing up Mathematics with Spheros - This project will allow students to use Spheros robots and coding apps to gain a deeper understanding of geometry and measurement in 2nd grade. Students will be able to code the Spheros SPRK robots to draw different shapes and to travel different lengths based on a given measurement.

Tania Rollins

Books and Beyond - My 6th grade students read a variety of texts throughout the year with book tastings, book clubs, and small groups. Student texts are based on 4 themes including the two highlighted in this proposal, Modern Technology and Imagination. This project also promotes digital literacy with the use of novels and iPads.

Colleen Dixon

Booked for Lunch - Community volunteers will host a lunch book club in the media center two days a week for three to six weeks throughout the school year. During this time the volunteer and the students will read and discuss a book to help instill a love of reading.

Holly McClure

Look What We Do - Implementation of the Lego We Do kits will address 2nd grade science and social studies curriculum, as well as, 21st Century skills. Students will work collaboratively to construct

robots and design coding to solve problems. Lessons are designed to allow active learning strategies to be implemented in the classroom.

Kevin Miller

Sync It, Swipe it, See It - Students ages 8 to 18 spend an average of 7 hours on screen time daily. Today, according to the CDC, 32% of all American children are considered overweight or outside of the healthy fitness zone. The premise of the project is to measure and track the number of steps and movement patterns that students are taking daily. With state of the art data driven pedometers, students can sync information to a computer in only 2 seconds, while obtaining personal and printable movement patterns.