



2016 STEM Grantee Spotlight

Peoria High School | Engineering Your Future MESA Program

Congratulations to 2016 STEM Grantee, **Peoria High School's MESA program!** STEM grant funding allowed Peoria High School to continue offering the afterschool MESA program to their junior high and high school students for the 2016-2017 school year. This past fall, MESA program participants developed their engineering design skills through a variety of projects, including ping-pong launchers, bridge construction and containers to protect a falling pumpkin. High school students are also beginning to research, plan designs and construct prototypes for the State MESA challenges. The program will continue through the spring, culminating in the Central Region MESA Day competition at Grand Canyon University and the State MESA Day competition at University of Arizona.



[Check out the 2016 STEM Grantees](#)

Superbowl STEM Video Series

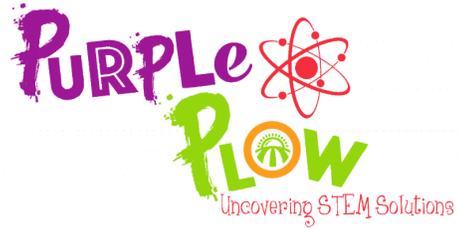
With Superbowl LI coming up next weekend, it's a great time to make connections between football and STEM in your program! The National Science Foundation and NBC Learn developed a 10-part video series - **The Science of NFL Football** - to foster understanding of STEM concepts. Narrated by Lester Holt, the series includes dynamic visuals and frame-by-frame illustrations that explore the science behind one of America's most beloved sports.



[View the 10-part video series](#)

The Purple Plow Challenge

The Purple Plow Challenge encourages students to research scenarios related to food, hunger and sustainability and build their own prototypes to solve the defined problem. This year's challenge? We need food to survive. But food security is a problem around the world, and at home. Get creative as you design a sustainable living environment for aquatic life while growing food in this season's Purple Plow Challenge!



[Learn more & download facilitator resources here](#)

Arizona Center for Afterschool Excellence

azafterschool.org/STEM

