



HAMILTON
Educational Foundation, Inc.
Our Partners in Excellence

Congratulations
HEF Grants Writers For 2010-2011

Reinventing Woodworking With Custom Pen Turning
(Technology Education)
Hamilton High West
Gregory Paulick

The goal is for every student to help design and create a working pen. The pen design will be used to set up a business type manufacturing environment with workplace and career education infused. Carba-Tech Lathe Equipment package, with duplicator and templates, will be purchased for the curriculum.

Study Island
(HSPA Preparation)
Nottingham High School
Susan Wydner

Study Island is a web-based instructive self-paced product that reports evidence of success with test takers. Study Island is organized into topics covering all of the New Jersey Core Curriculum Content Standards tested on New Jersey State Assessments, grades 3-11.

Fuel Cell Car and Experiment Kit
(Technology Education)
Nottingham High School
Joseph Lux

The Fuel Cell Car and Experiment Kit would expand student's critical thinking in the area of renewable fuel sources and specifically hydrogen fuel cell technology. Students will be able to take water and watch it separate into hydrogen and oxygen and then use the stored gases to power their vehicles across the classroom.

DNA Translation: Mutating the Gene
(Science)
Nottingham High School
Steve F. Levin

Students are more often engaged in learning when they are working with manipulatives (in this case bead representation of DNA) where they can understand the connection between the theoretical processes of protein production and the expression of traits with laws of genetic inheritance.

Raise their level of attention!
With SMART Response System ENGAGE them ALL!
(Math)
Hamilton High West
Ismat Shari

Smart Response Systems are instructional technologies that can be used to promote active participation, engagement and discussion among students, even those who might not participate in typical class-wide discussions and to assess student learning in real-time, during class.

Going Graphic
(Reading and Character Education)
Mercerville Elementary
Diane Donovan, Joan Petrowski, Janet Richards

To engage all of the students, from reluctant readers to the overachievers, stimulating literature is needed that will hook them into loving reading. The kind of book needed is high interest modern and carries a positive message. It will encourage reading for pleasure and will open discussion on topics such as accepting others, feelings of the characters, and friendship.

Freshman Academic Success Plan
(Guidance, Character Education, Health)
Hamilton High West
Amy Emmons, Jessica Simon, Katherine Taylor

All freshman students will meet with trained student leaders one day per week for 14 weeks in designated health classes to discuss academic and social issues that impact them. An assembly program featuring the "Balance of Power" video will be presented to the students, followed by discussion in classes with trained student leaders as facilitators. Health teachers will reinforce the concepts in their classroom lessons.

Producing Electricity Through Wind Power
(Science)
Nottingham High School
Scott Innocenzi

With a 500 watt wind turbine generator kit, students will be able to design buildings beyond the principles of just theory and apply real collected data on how alternate energy would work in their designs. Students will compare the effects of wind to solar power and then track daily wind conditions and electricity production for comparison.