



Southridge High

2011-2012

Learning & Applying Mathematics through Fieldwork: \$500 Funding provided through BEF Building STEAM 4 All

The main purpose of the project is to develop and implement a curriculum that promotes a laboratory-based, collaborative and highly interactive model of instruction that encourages student participation in the learning process for at-risk students. Applied mathematics will offer at-risk students the unique opportunity to explore, revise and finally understand mathematical concepts by participating in a series of carefully designed activities. These field-based activities will include hands-on exploring of the mathematics used in scientific equipment, using the equipment in the field, collection of quantitative field data, and analyzing field data through graphics and statistics.

K-20 Collaborative Approach to Science CCR: \$1,000 Funding provided through BEF Building STEAM 4 All

This field-based educational project will help at-risk students meet their credit requirements for science and expose them to relevant experiences to help them master scientific knowledge, literacy and thinking. The desired outcome of this collaborative project between District science teachers and Portland State University science professors and graduate students is to increase the number of at-risk students who identify themselves as future science, technology, engineering and mathematics college students.

2010-2011

Connections and Relevancy Using Literature Circles: \$646

Literatures circles will allow students to improve their analytical and writing skills, work cooperatively and discuss conflicts that are relevant and personal, within the confines of fictional characters. Students select a novel they read and work in small groups focusing on that particular novel, as well as participate in large group activities in which mini-lessons will be taught focusing on thematic ideas.

BEF Community Awards: \$2,975

*(Awarded to activity groups that assist with the annual BEF
Phone campaign)*

Key Club, National Honor Society, Squawk Newspaper, Volleyball,
Waterpolo



Southridge High, continued

2009-2010

Green Roof Project: \$1,000

Funding provided through the Building STEAM 4 All Program

This student led project is to design and install a green roof on campus. As an environmental science project it will ultimately provide students and teachers a state-of-the-art green roof as an outdoor classroom, where science and math classes can study technology, biology, physics and runoff chemistry first-hand.

BEF Community Awards: \$3,500

(Awarded to activity groups that assist with the annual BEF Phone campaign)

Band, Drama, Key Club, National Honor Society, Squawk Newspaper, Volleyball, Waterpolo

2008-2009

International Baccalaureate Creativity Action & Service Project: \$516

Funding provided through the Mike Osborne Memorial Award Fund

The International Baccalaureate Diploma Program requires students to initiate and implement activities with global impact. For successful completion of the IB diploma, students engage in extracurricular activities that blend creativity, action and service (CAS). Grant funds will be used to implement a CAS project. Students will read articles and the book Three Cups of Tea, with the objective of increasing student knowledge of the cultures, politics, geography, economics, religions and challenges that face Afghanistan and Pakistan. Students will then discuss the readings and initiate, plan and implement educational activities designed to fund raise for a goal the students set.