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IISME Fellows and Mentors Reflect on 2008 Fellowships

Teacher Feedback

98% said it elevated their enthusiasm for teaching.

99% said it stimulated their thinking on ways to improve their teaching.

95% gained a greater understanding of the applications of science, math or technology in everyday life.

95% increased their knowledge of careers that utilize science, math or technology.

98% said it increased their confidence as teachers.

100% reported their Mentor was committed to providing opportunities to learn and gain expertise in new areas.

92% rated their Fellowship experience "the best" or "in the top 10%" of professional development opportunities available.

100% would recommend the IISME Summer Fellowship Program to their peers.

Mentor Feedback

95% said participating was worthwhile for themselves and for their department or organization.

95% would participate as an IISME Mentor again in the future.

96% would recommend their teacher for another Fellowship.

2008 IISME Fund for Innovation

Over \$24,000 in Fund for Innovation Grants were awarded to twenty-five very deserving IISME Fellows at a celebration on November 12, 2008. The Fund for Innovation (FFI) is a competitive grant program open to all IISME Fellows designed to inspire and enable them to implement innovative technologies, hands-on experiences, and teaching strategies in their classrooms. IISME is proud to offer the FFI program and support educators in their never-ending quest to enhance instruction.

2008 marks the sixteenth year of the IISME Fund for Innovation. With the generous support of many Fellowship sponsors and funders, IISME has been able to provide over \$275,000 to support innovative educational projects since 1993.



2008 IISME Fund for Innovation Recipients

Kristin Boerner, Alum Rock Union Elem. SD	Shabnam Kiamenesh, Milpitas Unified SD
Imani Butler, East Side Union HS District	Sarah Kurdziel, Cupertino Union SD
Betty Chen, San Jose Unified SD	Suzanne Lowe, San Jose Unified SD
Stephanie Darrough-Butler, Oakland Unified SD	Elsie Ovrahim, Oakland Unified SD
Debra Dimas, East Side Union HS District	Arlynn Paulsen, Evergreen School District SD
Rowan Driscoll, Oakland Unified SD	Linda Preminger, San Lorenzo Unified SD
Lynn Eisner, Menlo Park City SD	Maria Ramiso, East Side Union HS District
Marisa Garduno-DaSillva, Mt. View-Whisman SD	Christine Shultz, Fremont Unified SD
Carlton Grizzle, Alameda USD	Miranda Spang, Oakland Unified SD
Ratchford Higgins, Sacramento City Unified SD	Scott Stack, Center Unified SD
Kelley Hixon, Cambrian SD	Michael Taylor, West Contra Costa Unified SD
Rebecca Jasmin, Sacramento City Unified SD	Dirk VandePol, San Francisco Community College District
Shelley Jerue, San Juan Unified SD	

Remembering IISME Peer Coach Bob Dixon

IISME and the educational community lost a wonderful teacher, colleague, and friend this past month when Bob Dixon lost his battle with cancer. Bob, longtime teacher at Frick Middle School in Oakland, was an IISME Fellow and Coach for many years. Bob supported hundreds of teachers over the years and here are just a few of the kinds words his Fellows have used to describe him:

"Bob was empathetic and a great listener."

"Bob was an outstanding Peer Coach. He was very supportive and understanding."

"I loved working with Bob."

"Bob was the best!"

"Bob was a good friend. I appreciated his warmth and sense of humor. I know he will be missed by many people."

"Bob was understanding and a terrific person."

"Bob was very supportive and ready to listen. He always had a good attitude and I felt like he was always there to make this the best experience for me."

"Bob was very patient and a joy to work with."

"Bob was extremely helpful in every way. He was truly a great human!"

"Bob rocked!"



Bright Future Educational Card Game

Applied Materials has developed the educational card game Bright Future and is giving it away to teachers. Mike Splinter, President and CEO of Applied Materials said, "We created the Bright Future game because we believe there is a connection between education for sustainability and achieving future economic prosperity – while also helping regenerate the Earth's ecosystems. The game is our gift to children so that they can become good stewards of the Earth's resources."

IISME Fellows have been an integral part of the development, marketing, and distribution of the Bright Future game. During the summer of 2007, IISME Fellows, Jack Aiello and Heather Wong, worked with a team at Applied Materials to develop the game which deals with environmental health, environmental issues, and sustainability. During the summer of 2008, IISME Fellows, Arlynn Paulsen and Linda Preminger, developed and organized curriculum to accompany the game, and worked to put it into the hands of teachers.

One of the ways the game is being marketed and delivered to teachers is through educator workshops. Arlynn and Linda show the teachers how to play the game and incorporate the supplemental curriculum. Linda mentioned that "Teachers readily tap into what they know will capture their students' imaginations. The ties to many different subject areas are readily apparent." Teachers receive tips on how to use the game with students and adjust the game for different ages and abilities. For example, both Arlynn and Linda encourage teachers to have students read each card before it is played. Linda pointed out that, "The card topics raise lots of questions that generate good classroom discussions."

Bright Future is designed for kids nine and older and its goal

is to help show the students "how their actions can contribute to a more environmentally sustainable future." Combining the cards allows each player to try to build as many healthy societies as possible in countries around the world.

After playing the game, the teachers are shown and then practice doing a few of the curriculum activities associate with the Bright Future game. The examples at one particular workshop included a vocabulary building activity, a study of the density of various liquids, and the impact of different types of plastic on the environment and their ability to be recycled. These activities are standards based and modifiable to suit the needs of different students.

The teachers leave the workshop with the curriculum on CD and the knowledge of how to incorporate Bright Future into their classrooms. Applied Materials then mails them enough free decks of the game for the teachers to play with their students. Numerous teachers have said, "I can't wait to incorporate Bright Future into my classroom! I feel ready to use it tomorrow!"

<http://brightfuture.appliedmaterials.com/game>



IISME Videos!!

It is a great time to take a look at IISME's website. You'll find updated program information and three exciting videos which provide an opportunity to hear IISME Fellows, Mentors, staff and public figures speak about the positive impact of the IISME Summer Fellowship Program.

The general IISME video can be found on the homepage at www.iisme.org

The IISME video for teachers can be found at www.iisme.org/AboutSFPApp.cfm

The IISME video for sponsors can be found at www.iisme.org/OfferFellowship.cfm



Important Summer Fellowship Program Dates

November - May: Teachers complete an application at www.iisme.org

February-May: Sponsors submit job descriptions, review resumes, interview applicants, and offer Fellowships.

February-May: Teachers can view project descriptions and are highly encouraged to express written interest in specific IISME Fellowships.

May 30: 2009 Program Orientation (Option 1)

June 13: 2009 Program Orientation (Option 2)

June 15: Summer Fellowships Begin

July 17: Mid-Summer Meeting

TBD: End of Summer Celebration

Aug 7: Summer Fellowships End



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IISME transforms teaching and learning through paid Summer Fellowships. IISME provides Bay Area K-16 teachers with experiences and tools they need to update their content knowledge and adapt their teaching practices in order to prepare their students to be lifelong learners, responsible citizens, and productive employees.

IISME Summer Fellowships remove teachers for an extended period from the culture of education to immerse them in the culture of industry an research and allow them to become contributors in this new environments. This is key to the transformational nature of IISME's new type of development.

IISME engages the resources of the Bay Area's high performance corporate workplaces and research institutions – especially the expertise of their scientists, engineers and technologists – and involves them in the process of improving education, one teacher at a time.

IISME exists to address the critical need for a strong, highly skilled workforce in mathematics, science and technological fields. This industry-education partnership focuses on teachers as the primary agents for effecting meaningful change in mathematics and science education.