stelar
STEM LEARNING AND RESEARCH CENTER

May 14, 2018
2-3:30pm

New PI Orientation

NSF

EDC Learning transforms lives.

Agenda

- Introductions (10 min)
- NSF Program Officers (15 min)
- STELAR (10 min)
- Seasoned PIs (20 min)
- Open Q&A (35 min)

Introductions

- Name
- ITEST Project Title
- Unanticipated question

NSF Program Officers

David Haury & Bob Russell

ITEST PI Meeting

May 14-15 2018

What You Don't Know: Basics About Budgets, Reporting & Financial Management

David Haury, Program Lead, ITEST
Bob Russell, Co-Lead, ITEST

EHR

DIRECTORATE FOR
EDUCATION & HUMAN RESOURCES

Reporting

- ✓ Obligation to submit reports
- ✓ Why reports are important
- ✓ Annual reports
- ✓ Final report
- ✓ Interim reports
- ✓ Project outcomes report
- ✓ What to upload

EHR

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Financial Management & Budgets

- ✓ Proposal & Award Policies & Procedures Guide
- ✓ Important issues to address: federal cost accounting standards, documentation of personnel/other expenses, participant support costs, subawards/subrecipient monitoring
- ✓ Monitoring spending rates
- ✓ Role of PI's & Co-PI's

EHR

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Notifications & Requests

- ✓ Supplemental Funding
- ✓ Research Experiences for Undergraduates (REUs)
- ✓ Budget changes
- ✓ Changes in Participant Support Costs
- ✓ Changes in Sub-Awards or New Sub-Awards
- ✓ No-cost extensions

EHR

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Who Ya Gonna Call & Questions

- ✓ Call your program officer with any questions or issues with concerning your project
- ✓ Keep your program officer updated on your project: positive developments, challenges, publications & media coverage
- ✓ Questions?

Questions?

STELAR Staff

Becca Schillaci

STELAR's Work with Active Projects

- Technical assistance
- Dissemination
- Data collection

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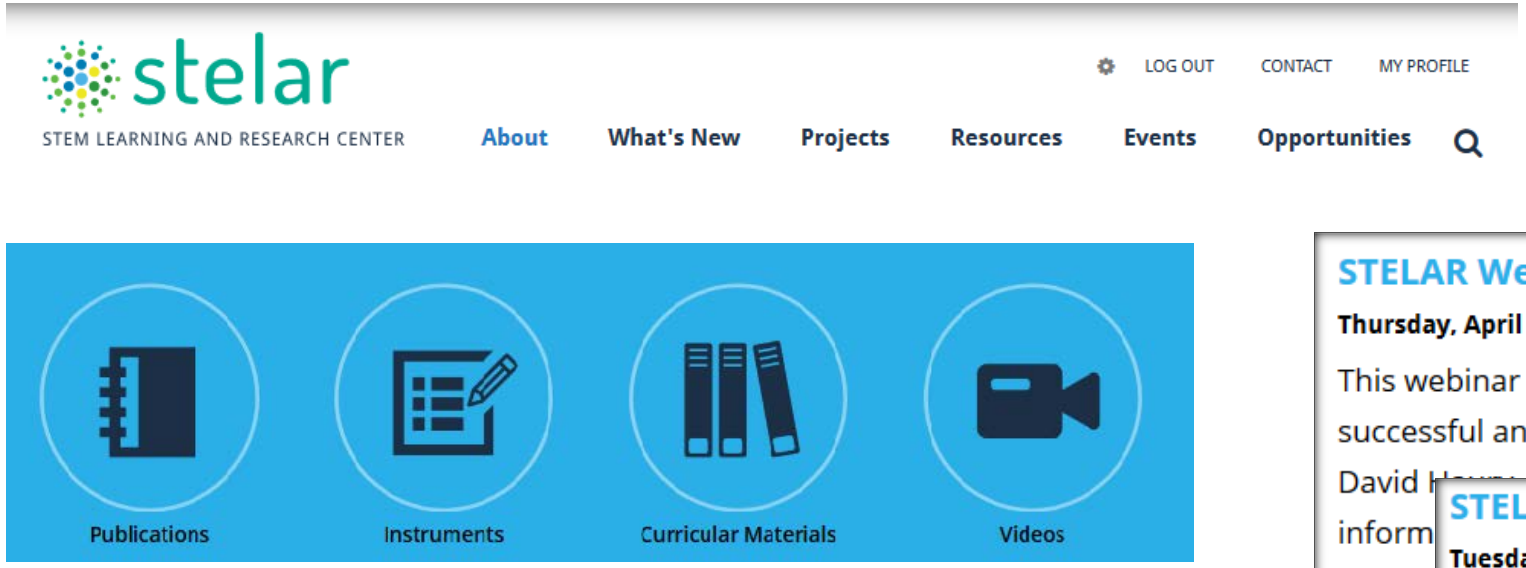
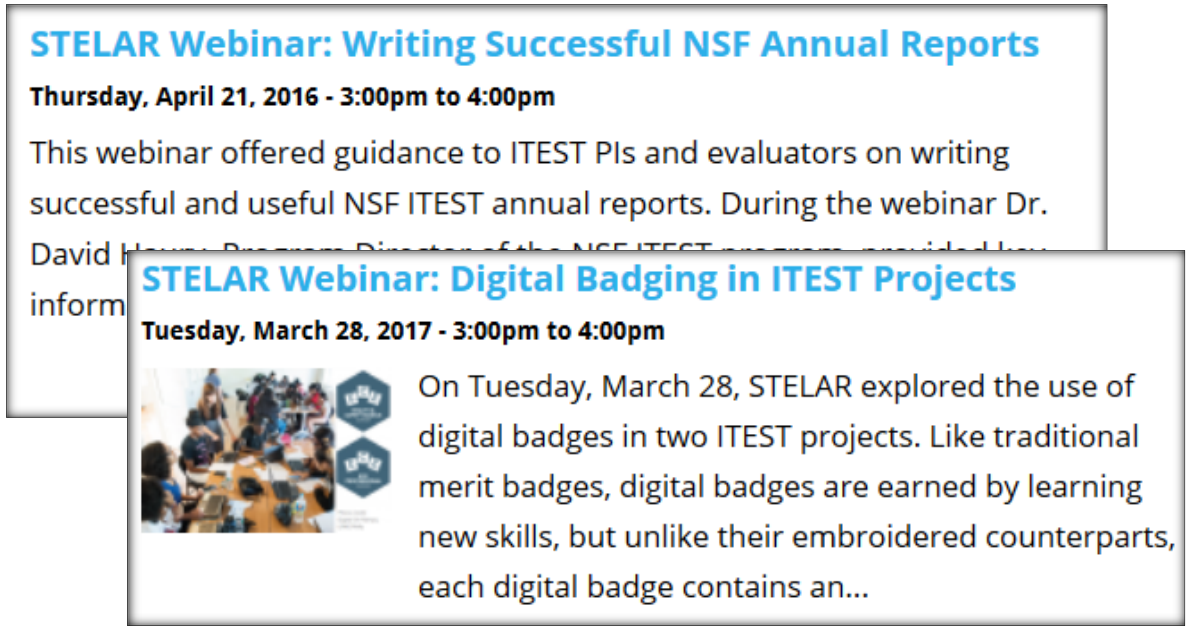
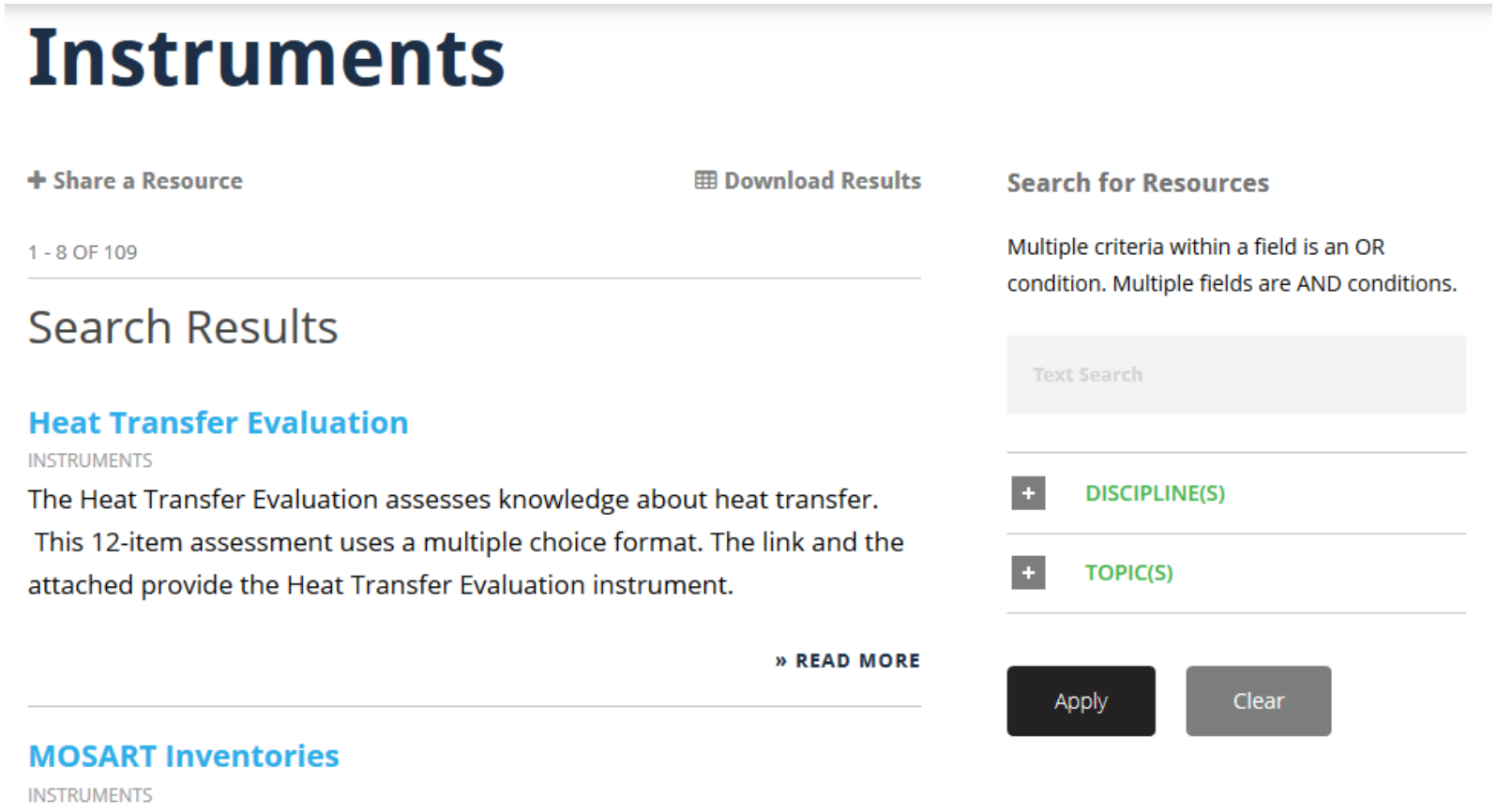
TA: Resources, Events, Opportunities, News



stelar.edc.org



Instrument Database



TA: Virtual Meetups

Sarah MacGillivray

Brianna Roche

Becca Schillaci

+ You
+ Your ITEST Colleagues

Dissemination: Project Profiles

View | Edit | Registrations Export

Broadening identities for diverse youth in STEM through socioenvironmental problem solving

+ Share

SUMMARY

Three hundred middle school youth youth attending schools highly impacted by poverty, with their teachers (n=7), engage in after-school, Saturday, and summer learning that integrates science, engineering, and computing to address environmental problems.

DESCRIPTION

This project will advance efforts of the Innovative Technology Experiences for Students and Teachers (ITEST) program to better understand and promote practices that increase students' motivations and capacities to pursue careers in fields of science, technology, engineering, or mathematics (STEM) by engaging in hands-on field experience,

PROJECT MEMBERS

PRINCIPAL INVESTIGATOR(S):
Heidi Carlone

CO-PRINCIPAL INVESTIGATOR(S):
Amy Germuth
Lakshmi Iyer
Sara Heredia

PROJECT STAFF:
Alison Mercier
David Schouweiler
Michelle Lovett
Molly Thomas
Tina Danner-Groves

PROJECT DETAILS

AWARD NUMBER:
1657194

PROJECT DURATION:
2017 - 2020

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Dissemination

VIEW RELATED CONTENT »

« back to Project Profile

Curricular Materials

UCAR Center for Science Education Engineering Activities

ENGINEERING ACTIVITIES:
Investigate the ways that engineers help scientists explore and measure the atmosphere, and ways the atmosphere influences engineering designs. Includes activities in which students learn to fly UAVs (Unmanned Aerial Vehicles or "drones").

The University Corporation for Atmospheric Research (UCAR) is a consortium of universities and colleges offering degrees in the atmospheric sciences and operates the National Center for Atmospheric Research.

READ MORE »

Publications

Carrollton High School Wins GRNMS Southeast Regional ROV Competition
READ MORE »

Future ROV Designers to be Found at the Center 2013 International Underwater ROV Competition
2013 was the 12th year the Marine Advanced Technology Education (MATE) Center at Monterey Peninsula College has held this competition. Their goal in doing so was to increase awareness of marine technical fields and careers. Their efforts connect students and educators with employers and working professionals. The ROV competition is a big event, but it is not all they do. Their workshops provide educators with resources and training to bring the world of marine technology, research, exploration and industry to their classrooms.
READ MORE »

Video

2016 Monterey Bay Regional

The video recap of MATE's 2016 Monterey Bay Regional Competition, which took place April 30th at Aptos High School. Congratulations to all the competitors!

Editing and Narration
Patrick Webster

NSF

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Dissemination: Conferences

AERA
FOUNDED 1916
AMERICAN EDUCATIONAL RESEARCH ASSOCIATION

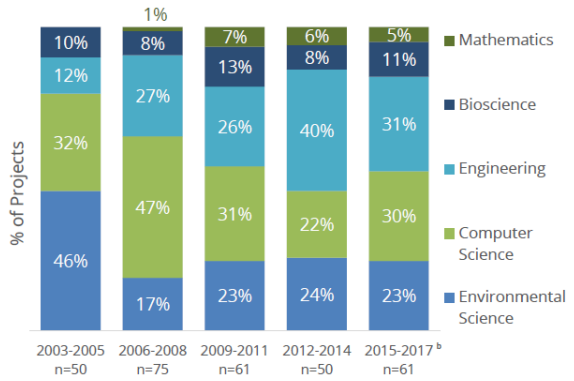
NARST
A worldwide organization for improving science teaching and learning through research

AMERICAN EVALUATION ASSOCIATION

MASSACHUSETTS STEM SUMMIT 2018
PIPELINES TO PROSPERITY

Data Collection

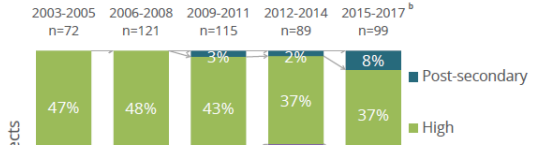
Since 2003, ITEST participants have engaged in activies across a variety of STEM disciplines



ITEST youth and educators learn to use cutting-edge technologies

- Visualization/computer modeling
- Multi-media authoring
- Game development
- Simulations & virtual reality
- Geospatial technologies
- Imaging technologies
- Wearable technologies
- Energy monitoring devices
- Mobile air quality detection systems

Projects span grades PreK -12 but most work with middle or high school



Questions?

Seasoned PIs

John Ristvey & Jill Zande

LESSONS LEARNED & HELPFUL TIPS

- Get a good evaluator; use your advisory board.
- Don't bite off more than you can chew.
- Find teacher/administrator partners early on.
- Keep up on your numbers! That will make the ITEST MIS and annual reporting less painful.
- Don't be afraid to let the project take you in a new direction.
- You wrote about it in your proposal, but really think about what "sustainability" looks like early and often.

Questions?

Q & A