Connecting STEM Learning to the Community

Dr. William Hunter

Illinois State University
## Connecting STEM Learning to the Community

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td><strong>Plenary Session – Grand Ballroom</strong></td>
</tr>
<tr>
<td></td>
<td>- Dr. Jessica Krim, Southern Illinois University at Edwardsville</td>
</tr>
<tr>
<td></td>
<td>- Dr. Sandra Richardson, National Science Foundation</td>
</tr>
<tr>
<td></td>
<td>- Dr. William Hunter, Illinois State University</td>
</tr>
<tr>
<td></td>
<td>- Mr. Nick Witt, Kalamazoo Central High School</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Groups Debrief Site Visits</td>
</tr>
<tr>
<td></td>
<td><em>Grand Ballroom, Boone, Blanchette I &amp; II</em></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Smaller Groups Generate Lessons and Proposals – <em>Grand Ballroom, Boone, Blanchette I &amp; II, and Salon E &amp; F</em></td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Break</td>
</tr>
</tbody>
</table>

### Session for PI’s – Discovery Room

- **9:30 AM** Dr. Sharon Vestal, South Dakota State University, will present on Using a Professional Learning Community to Retain STEM Teachers
- **10:15 AM** Dr. Sandra Richardson, National Science Foundation, will share Robert Noyce Teacher Scholarship Program Updates
- **11:00 AM** Dr. Kim Nguyen, Indiana University Purdue University Indianapolis, and Dr. Gillian Roehrig, University of Minnesota, will discuss Noyce Research Collaboration – Collective Impacts on STEM Teaching and Learning
Groups Breakout

Three tasks for the next session:
1. Share ideas from one group to the other.
2. Take the time to develop lessons you could teach in your own classroom. In school, in college, in teacher education.
3. Dream ways in which some money would help your lessons happen.
Groups Breakout

1. One person in each group serves as the spokesperson.

Share what you experienced at the sites with the other group.
Groups Breakout

2. Take the time to develop lessons you could teach in your own classroom. In school, in college, in teacher education.

You have 2 hours to formulate plans.
Grant Awards Available

3. $3,000 to $8,000 awards available
Grant Awards Available

3. $3,000 to $8,000

Requirements for Proposals

Successful proposals:

Partnerships among schools in two different districts at a minimum but preference will be given to those proposals that cut across geographical and ethnographic lines.
Requirements for Proposals

Successful proposals:

An innovative way to teach a practice/concept and have measurable indicators of success.
Requirements for Proposals

Successful proposals:

Connected to the field trip sites or similar installations in your own community.
Requirements for Proposals

Successful proposals:

Mechanisms for sustainability are incorporated
Optional

Bonus Points in the Evaluation Rubric

• You show evidence of beginning to work with your students or partners on something **based upon this weekend’s conference**.
Optional

Bonus Points in the Evaluation Rubric

• ~15% (30/210 pts)
• 10 pts – Plan with partners
• 20 pts – Work with students
• 30 pts – Classroom/community activity with students
Eligibility

At least two people who are:

current or former Noyce Scholars, Fellows, PIs or other Noyce project personnel connected to a current or expired Midwest Robert Noyce Teacher Scholarship project.
Awards

Six to eight awards of $3,000-$8,000 per proposal

First funding cycle of $50,000 December 2017.
A further $25,000 grant in October 2018 and $25,000 in December 2018.
Expenses

Eligible expenses include Travel, Supplies, Subscriptions, Software, Equipment, Honoraria.

Unlikely: salary and benefits for personnel
Deadlines


Link in the Google drive on the Conference Links document.

Grant Program Website
https://cemast.illinoisstate.edu/faculty/noyce-conference-grant.php

Grant Submissions:
https://illinoisstate.az1.qualtrics.com/ife/form/SV_5neWAJPk5ize5jD

Grant Support Webinars:
https://zoom.us/j/6071096974
Deadlines


Deadlines


Deadlines

First half of activities conducted:
February, March, April, May, 2018
Deadlines

1st half of activities conducted:
February, March, April, May, 2018.

Site visits: April, May, 2018
Deadlines

Online updates: April, 2018

Halfway program reports due: June 30, 2018
Deadlines

Second half of activities conducted:

August, September, 2018

All funds must be spent by September 30, 2018.
Deadlines

Final reports due:

October 13-14, 2018
at the Midwest Regional Noyce Conference here in St. Louis.
Deadlines

Final reports due: October 13-14, 2018 at the Midwest Regional Noyce Conference

Lesson and unit plans uploaded to website: October, 2018
Workshops to Assist You

October 23   November 1, 7, 13

4:00 PM central time
Workshops to Assist You

October 23, Monday, 4:00 PM central:

Idea Generation and Q&A

Timelines, developing a partnership, budget and eligible expenses, and ideas
Workshops to Assist You

November 1, Wednesday, 4:00 PM central:

Measurable Objectives and Q&A
Workshops to Assist You

November 7, Tuesday, 4:00 PM central:

Assessment Methods
Quantitative and Qualitative

What is evidence? What types can you provide?
Workshops to Assist You

November 13, Monday, 4:00 PM central:

Open Q&A
Grant Awards Available

$3,000 to $8,000

Groups Breakout

Three tasks for the next session:
1. Share ideas from one group to the other.
2. Take the time to develop lessons you could teach in your own classroom. In school, in college, in teacher education.
3. Dream ways in which some money would help your lessons happen.
Groups Breakout

1. One person in each group serves as the spokesperson.

Share what you experienced at the sites with the other group.
Groups Breakout

• Ballroom – Red and Light Green
• Boone – Orange and Dark Green
• Blanchette II – Purple and Dark Blue
• Blanchette I – Gray and Light Blue