Tours were particularly helpful, since a comparison can be made between new and old buildings. All of the them were impressive in their own ways, and it was nice to know about these buildings and locations! It was eye-opening for me, and I am sure that it will be eye-opening for my students. ~2016 Participant

TO APPLY:
http://georgetown.southseattle.edu/nsf

JULY 24-28, 2017

EDUCATION FOR ENVIRONMENT AND SUSTAINABILITY: THE FUTURE OF STEM TEACHING

A STEM-focused professional development experience, specifically designed to unite educators and industry professionals.

This was a life-changing experience for me. From Day 1, I was drawn in, because I saw relevance for me and my students, as well as for the world. The stipend brought me in. The content, delivery, and food got me hooked. Everyone was so welcoming. I felt that I was an important part of the process. I will recommend this to my colleagues. ~2016 Participant

This project is based upon work supported by the National Science Foundation under Grant No. 1406320. In partnership with:

Washington State University Energy Program

Cascadia College Bothell

STEM Cleveland High School Seattle Public Schools Seattle, Washington

ATTEND 30 HOURS OF TEACHER INSTITUTE: DEVELOP TEACHING UNIT CURRICULUM WITH INSTITUTE ORGANIZERS ($500 STIPEND)

EXPLORE THE RELATIONSHIP BETWEEN SUSTAINABILITY AND BUILDING SCIENCE TECHNOLOGY!

TOUR HIGH-PERFORMANCE BUILDINGS!

SMART BUILDINGS CENTER
BERTSCHI SCHOOL
FRED HUTCHINSON CANCER RESEARCH CENTER

APPLY LEARNING AT THE "STEM SUMMER LEARNING OPPORTUNITIES FOR STUDENTS" AT CLEVELAND HIGH SCHOOL – OPTIONAL, BUT HIGHLY RECOMMENDED! ($2,800 STIPEND – LIMITED TO 2 TEACHERS)

EARN CLOCK HOURS FOR BOTH INSTITUTE AND SUMMER LEARNING OPPORTUNITIES!

HOSTED BY

South Seattle College
One of the Seattle Colleges

Education for the Environment and Sustainability:

The Future of STEM Teaching

Overview

The NSF Grant Summer Institute is a STEM-focused professional development experience, specifically designed to unite educators and industry professionals to do the following:

- *Explore the relationship between sustainability and building science technology.*
- *Examine interactive management tools that track and assess resource use in buildings.*
- *Participate in field trips to smart, high-performance buildings.*
- *Discuss STEM workforce pipeline issues, and identify educational pathways and career opportunities.*
- *Exchange ideas that promote postsecondary access and career readiness.*

"This was a life-changing experience for me. From Day 1, I was drawn in, because I saw relevance for me and my students, as well as for the world. The stipend brought me in. The content, delivery, and food got me hooked. Everyone was so welcoming. I felt that I was an important part of the process. I will recommend this to my colleagues." ~2016 Participant

Institute Outcomes

By the end of the experience, you will be able to do the following:

- *Demonstrate an understanding of building science technology.*
- *Measure, diagnose and understand building system interactions, and summarize results for comparison to standards or specifications.*
- *Identify industry-specific solutions from analysis.*
- *Develop a teaching unit in sustainable building science technology, and apply learning in another setting.*

Commitment

- *Attend 30 hours of teacher institute, and share teaching unit curriculum and assessment with Institute organizers ($500 stipend).*
- *Apply learning at the STEM Summer Learning Opportunities for students at Cleveland High School. This program is for rising 9th to 10th graders and focuses on providing students the opportunity to experience the application of STEM skills through academic, hands-on, and service learning experiences. (There is a stipend for the 2 week commitment, 40 hours/week - $2,800. Limited to 2 teachers.)*

TO APPLY**: **http://georgetown.southseattle.edu/nsf

Questions? Call 206-934-5375.

This project is based upon work supported by the National Science Foundation under Grant No. 1406320.

July 24 – 28, 2017

Hosted by:

SOUTH SEATTLE COLLEGE
One of the Seattle Colleges

Benefits

Earn clock hours for both institute and summer learning opportunities

Itinerary

July 24, 2017. 9:00 a.m. – 4:00 p.m.
South Seattle College, Georgetown

July 25, 2017. 9:00 a.m. – 4:00 p.m.
Smart Buildings Center, Seattle

July 26, 2017. 9:00 a.m. – 4:00 p.m.
Building Tours: Bertschi School, Seattle; Fred Hutchinson Cancer Research Center

"Tours were particularly helpful, since a comparison can be made between new and old buildings. All of the them were impressive in their own ways, and it was nice to know about these buildings and locations! It was eye-opening for me and I am sure that it will be eye-opening for my students." ~2016 Participant

July 27, 2017. 9:00 a.m. – 4:00 p.m.
South Seattle College, Georgetown

July 28, 2017. 9:00 a.m. – 12:00 p.m.
South Seattle College, Georgetown

Partners

WASHINGTON STATE UNIVERSITY ENERGY PROGRAM

CASCADIA COLLEGE BOTHELL

STEM CLEVELAND HIGH SCHOOL SEATTLE PUBLIC SCHOOLS SEATTLE, WASHINGTON