CALL for APPLICATIONS

Professional Development for High School Science Teachers at the Canadian Light Source

DEADLINE: 15 APRIL 2021

Lightsources for Africa, the Americas, Asia, Middle East and Pacific (LAAAMP, https://laaamp.iucr.org) is partnering with the Canadian Light Source (CLS, https://www.lightsource.ca) to offer a unique learning experience for high school science teachers as part of its Educators’ Science Projects 2021 (EdSciP, https://www.lightsource.ca/professional_development). One teacher will be selected from each of LAAAMP’s targeted regions (Africa, the Caribbean, Mexico, Southeast Asia, Middle East and Pacific Islands) to attend a virtual Workshop hosted by the CLS. The Workshop will allow the teachers to meet scientists, learn about their research, participate in experiments, and incorporate the knowledge gained into their curricula. All activities will be offered free of charge. Since the language of the Workshop will be English, each teacher participating will be assigned a mentor from that teacher’s geographic region who will assist with scientific concepts and any necessary translations. The CLS will offer duplicate sessions of the Workshop to accommodate the teachers’ different time zones. Finally, it is anticipated that the Workshop will convene during Summer 2021, with the precise dates to be determined.

Strategy

The Workshop will combine chemistry, physics, and environmental sciences as the teachers explore the composition and characterization of soil samples from their respective regions to learn about their environment and how researchers analyze various kinds of materials. After the Workshop, the teachers will maintain a connection with the CLS as they teach what they have learned in their classes and gather teams of students to devise new experiments to be performed at the CLS as part of its Students on the Beamlines (SotB, https://www.lightsource.ca/students_on_the_beamlines) Program.

Who is Eligible?

Anyone who is employed as a full-time science teacher at a high school (secondary school) that is located in Africa, the Caribbean, Mexico, Southeast Asia, Middle East or Pacific Islands, and is interested in joining an internationally renowned community of research scientists and engineers at the CLS.
To What Persons and Email Addresses Should Applications be Submitted?

 Residents of Africa
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 Residents of the Middle East
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 Residents of the Pacific Islands
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APPLICATION

Contact Information

Name:

Job Title:

Email Address:

Mobile Phone Number:

Name of School:

Address of School:

School Phone Number:

School Fax number:

School Website (if available):

Teaching Information

What subject areas do you teach?

What age or grade levels are the students that you teach?

In return for attending this free project, we hope that you will share your experiences with colleagues. Please describe how you plan to do this.

Teacher’s Electronic Signature: Date: