
Science Educators' Network for Professional Growth

Cohort 2 – 2009 Application Packet

Components of the Science Educators' Network application materials include:

- (1) Program Overview pp. 2-3
- (2) Application: Cover Form pp. 4
- (3) Application: Personal Statement pp. 5
- (4) Application: Professional Practice Overview pp. 6-7 (to be completed by a building or district administrator; mailed separately)

Completed application materials should be attached to the Cover Form and mailed to the following address no later than March 27, 2009:

Center for Inquiry Science
Institute for Systems Biology
1441 North 34th Street
Seattle, WA 98103

Applicants will be notified of their participation status during the week of April 13, 2009.

For more information, please contact cis@systemsbiology.org

Science Educators' Network for Professional Growth

Program Overview

Program Purpose

In response to the growing need for regional professional development opportunities in science, the Center for Inquiry Science had developed the *Science Educators' Network for Professional Growth*.

The *Science Educators' Network* offers experienced classroom science teachers from the Puget Sound region opportunity to enhance their skills and knowledge towards becoming consumers, advocates and facilitators of high quality professional development.

The *Science Educators' Network* program components are based on educational research, program evaluation, and experiences drawn from a decade of providing professional development to Puget Sound region teachers. Alumni of the *Science Educators' Network* training sessions will receive support through a regional, collegial network and continued professional growth experiences.

Program Goals

Program Participants will:

- (1) Develop personalized professional growth plans aligned to both content and confidence related to science teaching;
- (2) Increase knowledge of reform-based (inquiry centered) instructional materials based on education research and best practices;
- (3) Enhance knowledge and skills of classroom practice based on educational research and best practices;
- (4) Develop knowledge and strategies towards becoming a consumer, advocate and/or facilitator of high quality professional development; and,
- (5) Contribute to and receive support from the *Science Educators' Network*.

Who Should Apply

Experienced K-12 Science Classroom Teachers in the greater Puget Sound region that are:

- Experience in teaching reform-based (inquiry-centered) instructional materials;
- Currently teaching with reform-based instructional materials;
- Interested in and have readiness for professional growth;
- Committed to supporting science education reform; and,
- Available to commit to the program dates:
 - **Spring Orientation & Networking Reception**
May 30, 2009
 - **Analysis of Instructional Materials**
July 8-10, 2009
 - **Exploration of Professional Development Design & Facilitation**
July 15-17, 2009

Science Educators' Network for Professional Growth

Application: Cover Form (To be completed by applicant.)

Name: _____

Home Address: _____

Home Phone: _____

Home Email: _____

Teaching Assignment: _____

School & District: _____

Work Address: _____

Work Phone: _____

Work Email: _____

Please complete the following table to describe the science subjects and grade levels you are have taught:

Instructional Material Name <small>(unit, kit, module, book)</small>	Grade Level(s)	Academic Year(s) You Taught Each Instructional Material

Science Educators' Network for Professional Growth

Application: Professional Practice Overview

(To be completed by a school or district administrator who can comment on applicant's professional practice as a science educator.)

The *Science Educators' Network for Professional Growth* offers experienced classroom science teachers opportunity to engage in an intensive training experience towards becoming a professional development provider. Alumni of this experience will then be supported through a regional, collegial network of science educators. This network will be able to provide Puget Sound region schools and districts with professional development related to inquiry-based science instructional materials.

During the spring and summer of 2009, the Center for Inquiry Science will launch Cohort 2 of the *Science Educators' Network* experiences. As part of the application process, applicants are asked to have a school or district administrator complete a *Professional Practice Overview*. You have been requested to complete such overview for the applicant listed below and on the following page.

The information you provide will assist the Center for Inquiry Science staff in their selection of applicants, and will be kept confidential. Should you have any questions, please do not hesitate in contacting cis@systemsbiology.org

Completed application materials should be mailed to the following address no later than March 27, 2009:

Center for Inquiry Science
Institute for Systems Biology
1441 North 34th Street
Seattle, WA 98103

Applicant's Name: _____

Administrator's Name: _____

Administrator's Title: _____

Administrator's Relationship to Applicant: _____

Thank you for your insights. Your signature is requested to signify that you acknowledge the applicant's interest in participating in the *Science Educators' Network*.

Signature

Date

Science Educators' Network for Professional Growth

Application: Professional Practice Overview (continued)

Applicant's Name: _____

Administrator's Name: _____

<i>To the best of your ability, please rank the following attributes of the applicant as related to his/her engagement in science education:</i>	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
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As a Classroom Teacher

Focuses on learning as conceptual understanding.						
Uses effective strategies for classroom management and laboratory management.						
Understands the scale of time and depth needed to develop student understanding.						
Has a deep pedagogical content knowledge.						
Modifies instruction based on student data.						
Uses common cross-curricular skills in the standards for mathematics, writing and reading.						

Readiness to Facilitate Professional Development

Actively collaborates with other teachers.						
Understands organizational change.						
Skillfully communicates in difficult situations.						
Promotes reflective thinking.						
Knows and applies adult learning theory.						
Seeks to build understanding of novice teachers' needs and strengths.						
Takes on leadership role at school, district, and/or regional level.						

Please provide any additional comments or insights as to how the applicant would contribute to or gain from the experience of participating in the *Science Educators' Network* (use back of form as necessary).