

**Great Discoveries Teacher
Workshop
Application Request Form**

First Name _____ Last Name _____
Address _____ City _____
State _____ Zip _____ Phone _____ Fax _____
Email _____ Birth date _____ Gender M F
Profession/Grade Level _____
School Name and Address _____

Please return this form to Brenna Hines, Education Coordinator Northeast Oregon AHEC
One University Blvd, La Grande, OR 97850, phone (541) 962-3801, fax (541) 962-3416

**Using education to bring
health professionals to rural
Oregon.**

Northeast Oregon AHEC's mission is to "attract and retain health care professionals by providing regional education opportunities." We fulfill our mission by focusing on:

- ◆ health careers education
- ◆ health professions student education in rural communities
- ◆ continuing education.

We are a community partner of:



Northeast Oregon
Area Health Education Center
One University Blvd.
La Grande, OR 97850

Phone: 541-962-3801
Fax: 541-962-3416
Email: neoahec@eou.edu

NORTHEAST
OREGON AHEC

**GREAT
DISCOVERIES**

**Professional
Development
Workshop**

**July 20th-25th, 2009
Pacific University
or
August 3rd-14th, 2009
Hermiston, Oregon**

Sponsored by
OHSU
Eastern Oregon University
and
Northeast Oregon Area Health
Education Center



Using education to bring health
professionals to rural Oregon.

NORTHEAST OREGON AHEC

GREAT DISCOVERIES WORKSHOPS

July 20-25, 2009, Pacific Univ.*
August 3-14, 2009, Hermiston

What is “Great Discoveries?”

Great Discoveries is an integrated curriculum that fosters student engagement in science, health and literacy. Units in the curriculum have both a global and local perspective. Each begins with a compelling story, continues with science investigations and ends with a challenge for students to apply their learning.

Components of the curriculum

- ◆ *The Human Machine* - Inclined planes and wheelchairs, bones and levers, pulleys, pneumatics, and prosthetics.
- ◆ *The Human Camera* - Anatomy of the eye, lasers and lenses, analogs to understand the physiology of the retina, inventing gel lenses.
- ◆ *The Human Receiver* - The nature of sound, frequency and volume, the structure of the ear, hearing and hearing loss, technology associated with enhancing hearing.
- ◆ *The Human Refinery* - The anatomy and physiology of the digestive system, nutrition, biochemistry of digestion.
- ◆ *The Human Zoo* - communicable disease and epidemics, hunting for microbes, the physiology of yeasts, bacteria cultures in milk, antibiotics

Great Discoveries Workshops

Great Discoveries workshops provide professional development to support the implementation of stimulating and informative science curriculum.

Funding for program implementation provided by Howard Hughes Medical Institute

Lesson Plans and Curriculum Considerations

Teacher lesson plans and review of content are provided for each topic in the teachers' materials, along with links to expanded information via the world wide web. Additional material linking each unit to a range of health careers is provided.

Each unit is designed to consider the National Science Standards and the Oregon Common Curricular Goals for science and health. The aim is to transcend the content expectations for the standards. Content is an essential and important aspect of the curriculum and supports the inquiry process.

Classroom Materials

Each teacher will receive one kit containing the materials needed to teach one of the units. Teachers will also receive material lists for the other units. Each unit is designed to be implemented at low cost using materials that can be locally acquired, primarily at markets and hardware stores. No natural gas or unusual venting is necessary and there are no chemicals that require special disposal technologies. Everything can be done in a regular classroom.

How to Apply

(1) Request an application packet, (2) complete that packet, along with a signature from your principal, (3) return by **April 03, 2009**. Space is limited so make sure you get your application in on time. We anticipate a great deal of interest in this exciting curriculum and the workshops.

Who Should Attend?

4th - 8th grade teachers - Priority will be given to teachers who:

- ◆ Serve schools with a high number of low-income and/or minority students.
- ◆ Have a contract for the next school year.
- ◆ Have been at their current school for at least three years.
- ◆ Are part of a school team of at least two teachers

Key Information

Dates: Two workshops are available:

July 20-25, 2009, Pacific University*
August 3-14 (M-F), 2009, Hermiston

*The July workshop will be given in a more intensive 10 hours/day, 6-day format

Stipend: \$250 stipend at the end of the workshop and another \$250 stipend upon completion of classroom implementation and feedback.

Included: All materials, dorm lodging, meals and a travel reimbursement based on distance from the workshop.

Credit Available: Graduate, undergraduate and professional development credits are available through Eastern Oregon University. Options of 3, 5 or 6 credit hours are available at the participant's expense.

Deadline: Applications for either date must be received by **April 03, 2009**.

For More Information Contact:

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