



LIFT OFF

National Aeronautics and Space Administration · Alameda County Office of Education · California State University

Science Teacher Leadership and Inquiry Institute

INSTITUTE FOCUS

- Deepening science content knowledge.
- Collaboratively developing interdisciplinary inquiry-based science lessons and projects.
- Publishing exemplary lessons and projects.

NASA LIFT OFF KEY POINTS

- Intensive (15 days per year) program for high school science teacher leaders with a minimum of 3 years classroom experience.
- Participants will enhance science content knowledge and leadership skills.
- Participants will develop interdisciplinary inquiry-based science lessons and projects.
- Instructional cases will be standards-based and NASA-themed, and inclusive of literacy development.
- Implementation of the instructional case in the Teacher's classroom.
- Collaborations with CSU science faculty, scientists, and instructional coaches in curriculum development.
- Participating teachers will receive a stipend of up to \$3,000.

KEY OUTCOMES

1. Content Knowledge in key areas of science curriculum standards will be developed through workshops by CSU science faculty.
2. Instructional Strategies will be developed in the areas of science literacy, 21st century skills, lesson study, and Understanding by Design.
3. Collaborate in a professional learning community (PLC) with other teachers, scientists, and instructional coaches in order to improve teaching, learning and science inquiry.
4. Build instructional leadership capacity of science teacher leaders and develop science teacher leadership teams.
5. Develop a collection of peer reviewed lessons and/or projects that will be published online.
6. Publish, Share, & Lead by publishing lessons online on MERLOT, by serving as instructional leaders, and by implementing interdisciplinary, inquiry-based curriculum in your schools.

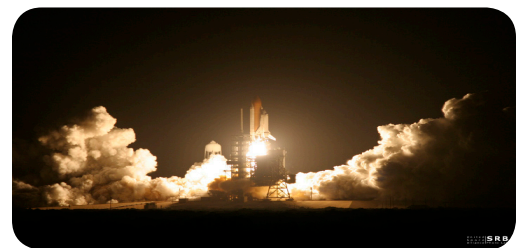
PARTICIPANTS WILL CHOOSE ONE OF THE FOLLOWING FOCUS AREAS:

1. Earth Systems: Global Warming and Climate Change
2. Planetary Exploration: Current & Past NASA Planetary Missions and Astrobiology
3. Space Science: How the universe began and its fate



PRODUCTS

1. Inquiry-Based Science Lessons
2. Inquiry-Based Interdisciplinary Project
3. Exhibition and Publishing of Instructional Case
4. Team of Instructional Leaders



For more information please contact:

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 East Bay Science Project
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Registration Form

All fields are REQUIRED to complete registration

| COURSE | DATES | COST |
|---|---|---|
| NASA LIFT OFF Science Teacher Leadership Professional Development Program | ORIENTATION Saturday, May 15, 2010 SUMMER ACADEMY Week 1: July 19-23, 2010 (M-F) Week 2: July 26-30, 2010 (M-F) | FREE Teachers who complete the program will receive a stipend up to \$3,000 |

Last Name: _____ First Name: _____

E-mail: _____ E-mail 2: _____

Mailing Address: _____

Phone: _____ Ext.: _____ Home or Cell: _____

County: _____ School District: _____

Name of School: _____

School Address: _____

Position: _____ Grade Level: _____ Room: _____

Subject(s) Taught: _____ Years Teaching: _____

Leadership Rules or Experience: _____



REGISTRATION

- ♦ DEADLINE - **Monday, March 22, 2010**
- ♦ Online - <http://pdp.acoe.org>
- ♦ By E-mail - Complete and e-mail this registration form to jmedley@acoe.org
- ♦ By Fax - Complete and fax this registration form to (510) 670-3564
- ♦ By Mail - Please mail to mailing address listed below:

Alameda County Office of Education (ACOE)
Attn.: Josephine Smedley, Program Assistant
313 W. Winton Avenue, Room 220, Hayward, CA 94544