

LIFTOFF

summer institute

Design a Mission to the Moon

July 18 -23, 2010

APPLY ONLINE
Application Deadline
April 9, 2010

2010

<http://www.tsgc.utexas.edu/liftoff/>



LiftOff 2010: Design a Mission to the Moon
Texas Space Grant Consortium
Summer Professional Development Institute
July 18 - 23, 2010

PROGRAM ANNOUNCEMENT

Beginning in the summer of 1990, the NASA's Texas Space Grant Consortium initiated weeklong professional development training for teachers. This aerospace workshop, called LiftOff, emphasizes science, engineering, mathematics, and technology learning experiences by incorporating a space science theme supported by NASA missions. Teacher participants are provided with information, materials, and experiences through speakers, hands-on activities and field trips that promote space science and enrichment activities for themselves and others.

PROGRAM HIGHLIGHTS

Month after month, the Moon reigns as the most obvious and beautiful thing in the night sky. Mankind has worshipped and studied the Moon for centuries. But how much do you know about the Moon?

With only three days travel time from Earth, returning to the moon will help us learn how to prepare for long-term stays on other worlds. Additionally, living and working on the moon will provide opportunities to conduct new fundamental science studies and become a test run for living and working on Mars and beyond.

By using NASA engineering models and scientific data you will develop plans for a sustainable long term human presence on the lunar surface. Like NASA's astronauts, you will come face-to-face with the challenges and excitement of traveling through space to land on the Moon. Along the way, you'll discover some of the differences between the Earth and the Moon and what makes our planet unique and habitable. Journey with us as we **Design a Mission to the Moon**.

PROGRAM FEATURES:

- Presentations by NASA scientists and engineers
- Tours of NASA and Space Center Houston
- Hands-on, inquiry based classroom activities
- Free curricula and space science materials aligned to educational standards
- Teacher Feature (sharing of ideas and activities)
- Opportunity to interact with researchers dedicated to space Missions

ELIGIBILITY REQUIREMENTS

1. Currently employed as a 4-12 grade classroom educator
2. Minimum one year teaching experience prior to workshop
3. Demonstrate willingness to share information with others
4. Must be a U.S. citizen

REGISTRATION INFORMATION

- Texas Participants: FREE- All expenses paid by TSGC
- Out-of-State: \$650 registration fee + travel to Houston, Texas
- Applications: Must be submitted online

DEADLINES:

All applications due:
April 9, 2010

On-line: <http://www.tsgc.utexas.edu/liftoff/>

Questions?

Texas Space Grant Consortium
3925 W. Braker Lane, Suite 200
Austin, Texas 78759

Phone: 800-248-8742
Fax: 512-471-3585

E-mail: baguio@tsgc.utexas.edu

Texas Space Grant Consortium Summer Institute
 For Middle and High School Educators
July 18-23, 2010

Applications due:
April 9, 2010

Texas Space Grant Consortium
 3925 W. Braker Lane, Suite 200, Austin, Texas 78759



General Information (*please print*)

First name:		Middle:	Last:
Home Address:			
City:		State:	Zip:
Home Phone:		Home Fax:	
Home E-mail:			
U.S. Citizen:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Ethnicity**:	<input type="checkbox"/> White	<input type="checkbox"/> Hispanic	<input type="checkbox"/> Black <input type="checkbox"/> Pacific Islander <input type="checkbox"/> Other
Gender**:	<input type="checkbox"/> Male	<input type="checkbox"/> Female	**Gender and ethnicity are strictly used for NASA reporting purposes only and is optional

Professional Information (*please print*)

School:			
School Address:			
City:		State:	Zip:
School Phone:		School Fax:	
School E-mail:		School District:	
Principal/Supervisor Name:			
School Type (check all that apply):		<input type="checkbox"/> Public	<input type="checkbox"/> Private <input type="checkbox"/> Urban <input type="checkbox"/> Rural
Elected Officials:	Senator:		
	Representative:		

Eligibility requirements for participants are provided by the Texas Space Grant Consortium program announcement.
 Should you require additional assistance, please visit our web site at: <http://www.tsgc.utexas.edu/>
 or contact the Outreach Coordinator at 800-248-8742 or baquio@tsgc.utexas.edu

Professional Information continued

Grades you currently teach (check all that apply):	<input type="checkbox"/> K	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input type="checkbox"/> 12	
Subjects:	<input type="checkbox"/> Math		<input type="checkbox"/> Science		<input type="checkbox"/> Technology		<input type="checkbox"/> Geography
	<input type="checkbox"/> Other:						
Current Position/Title (check all that apply):	<input type="checkbox"/> Teacher				<input type="checkbox"/> Curriculum Specialist		
	<input type="checkbox"/> Other:						

Professional Experience

What is your formal education and teaching experience? (Degree, Years Taught, etc.)

What is your current assignment? (Describe job responsibilities and other related duties.)

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List professional activities. (In-service participation, membership in professional organizations, # workshops taught and audience.)

Other teacher-related activities. (Educational outreach activities in the community, youth programs, etc.)

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If you have never attended LiftOff before, on a separate page, answer the following questions:

- What do you expect to gain from attending the LiftOff Summer Institute?
- What are some ways you would incorporate space science materials into your classroom?
- How would you share the information you receive with fellow educators?
- Why would you like to be selected for the LiftOff Summer Institute?

If you have attended a LiftOff Summer Institute in the past, on a separate page, answer the following questions:

- How have you used the LiftOff information, lessons, and resources with students?
- In what ways have you shared the LiftOff information with fellow educators?
- How has the LiftOff Summer Institute helped you as a teacher?
- Why would you like to be selected to return for the LiftOff Summer Institute?

I certify that the information in this application is accurate to the best of my knowledge.

Signature of Applicant

Date

Signature of Principal/Supervisor

Date

Submit application by April 9, 2010 to:

LiftOff Summer Institute 2010
Texas Space Grant Consortium
3925 W. Braker Lane, Suite 200
Austin, Texas 78759

How did you hear about the LiftOff Summer Institute? (check all that apply)

<input type="checkbox"/> colleague/administrator	<input type="checkbox"/> advertisement
<input type="checkbox"/> convention/conference	<input type="checkbox"/> NASA Educator Program
Recommended by:	
Other:	

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