LiftOff 2005
Texas Space Grant Consortium
Summer Institute for Middle and High School Educators
July 11 – 15, 2005

PROGRAM ANNOUNCEMENT

Beginning in the summer of 1990, the Texas Space Grant Consortium initiated a weeklong professional development training for teachers. This aerospace workshop series, called LiftOff, emphasizes science, 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 hands-on activities and field trips that will promote space science and enrichment activities for themselves and others.

PROGRAM HIGHLIGHTS

Some of the most frequently asked questions about the U.S. space program are “Why go into space when we have so many problems here on Earth?” and “What does the space program do for me?”

These legitimate questions will be answered when educators become aware of the vast benefits of the space program that increase the quality of our daily lives. The applications on Earth technology needed for space flight have produced thousands of “spinoffs” that contribute to improving national security, the economy, productivity and lifestyle. We would be hard pressed to find an area of everyday life that has not been improved by spinoffs from the space program.

So, the next time someone asks “Why do we go in space” and “What does the space program do for me?” You will be able to explain it because of LiftOff 2005: NASA Spinoffs, Bringing Space down to Earth.

PROGRAM FEATURES:

Sponsored by the Texas Space Grant Consortium and held at Johnson Space Center, LiftOff 2005 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 activity share
- Opportunity to interact with researchers dedicated to space missions

ELIGIBILITY REQUIREMENTS

1. currently employed as a middle of high school educator
2. minimum one year teaching experience prior to workshop
3. demonstrated willingness to share information with others
4. must be a U.S. citizen

REGISTRATION INFORMATION

- Texas Participants: FREE with $50 refundable deposit upon completion of workshop
- Out-of-State: $500 registration fee + travel to Houston, Texas

DEADLINES:

All applications due:
April 15, 2005

To:
LiftOff Summer Institute 2004
Texas Space Grant Consortium
3925 W. Braker Lane, Suite 200
Austin, Texas 78759

Phone: 800-248-8742
Fax: 512-471-3585
On-line: http://www.tsgc.utexas.edu/liftoff/

E-mail: Baguio@tsgc.utexas.edu

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 baguio@tsgc.utexas.edu
Texas Space Grant Consortium Summer Institute
For Middle and High School Educators
July 11 – 15, 2005
Applications due:
April 15, 2005
Texas Space Grant Consortium
3925 W. Braker Lane, Suite 200,
Austin, Texas 78759

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 baguio@tsgc.utexas.edu

<table>
<thead>
<tr>
<th>General Information (please print)</th>
</tr>
</thead>
<tbody>
<tr>
<td>First name:</td>
</tr>
<tr>
<td>Home Address:</td>
</tr>
<tr>
<td>City:</td>
</tr>
<tr>
<td>Home Phone:</td>
</tr>
<tr>
<td>Home E-mail:</td>
</tr>
<tr>
<td>U.S. Citizen:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Professional Information (please print)</th>
</tr>
</thead>
<tbody>
<tr>
<td>School:</td>
</tr>
<tr>
<td>School Address:</td>
</tr>
<tr>
<td>City:</td>
</tr>
<tr>
<td>School Phone:</td>
</tr>
<tr>
<td>School E-mail:</td>
</tr>
<tr>
<td>Principal/Supervisor Name:</td>
</tr>
<tr>
<td>School Type (check all that apply):</td>
</tr>
</tbody>
</table>

Grades you currently teach (check all that apply):

5 6 7 8 9 10 11 12

<table>
<thead>
<tr>
<th>Subjects:</th>
<th>Math</th>
<th>Science</th>
<th>Technology</th>
<th>Geography</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Current Position/Title (check all that apply): Teacher | Curriculum Specialist

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.)
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.)

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 15, 2005 to:

LiftOff Summer Institute 2005
Texas Space Grant Consortium
3925 W. Braker Lane, Suite 200
Austin, Texas 78759

How did you hear about the LiftOff Summer Institute:

☐ colleague/administrator ☐ advertisement
☐ convention/conference ☐ NASA Educator Program

Recommended by: _________________________________________________

Other: ____________________________________________________________

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 baguio@tsgc.utexas.edu