**Iowa Space Grant Consortium**

**2016-2017 Partner Schools**

**Application Packet**

The Iowa Space Grant Consortium (ISGC) announces an exciting opportunity for Iowa educators. The ISGC sponsors Science, Technology, Engineering, and Math (STEM) school partnerships to help connect schools to learning opportunities that move the NASA mission forward and increase awareness of STEM careers, especially at NASA.

**New: The program provides support for educator-teams to attend an exciting professional development (PD) experience that links to STEM and the NASA mission for training and bringing their experiences back to their classrooms, schools, and colleagues. This year the ISGC Partner School program will provide funding to support teams to attend a NASA workshop at Marshall Space Flight Center in Huntsville, Alabama. The workshop will be February 8-11, 2017. Travel to MSFC will be February 8 and return will be February 11(based on flight availability). These dates are tentative and may change based on Marshall Space Flight Center’s schedule.**

ISGC will provide registration, travel, and housing for each participant for the workshop. This does not include expenses incurred by the school district related to the teachers attending, such as substitute costs or expenses related to travel to and from the airport. Baggage check fees are not included.

All Partner School Teachers will be expected to participate in *The ISGC Academy* and provide two or more PD sessions for colleagues related to their sponsored experiences. (*The ISGC Academy* is the set of learning experiences conducted by Partners sharing their learning related to STEM for educators, students, and the public.) Participation can include providing teacher and student activity, hosting a NASA event, or other appropriate activities in Iowa. The *Academy* can be a face-to-face or on-line resource for teachers and students. Presentations at professional meetings, in-district workshops, AEA courses, student events, and teacher/student workshops are a few suggested venues to fulfill this requirement.

Educator-teams are invited to review eligibility and, if interested, complete the application process. The application must be downloaded, and a hard copy printed for completion. Electronic submission is not available. Applications are due December 16, 2016.

Applications will be reviewed with schools selected on the following criteria:

* Application completed accurately and submitted by deadline
* Essay Response
* Need
* Partnering Plan
* Budget match (can be in-kind)

**Eligibility:**

To be eligible, applicants must apply in teams of at least two with a minimum of one educator being in the STEM field. Partners may be teachers from the same district or others working in STEM education (i.e. 4-H educators, science museum staff, higher education science education faculty, or other creative partners) that will improve STEM learning in NASA-related fields. **Preservice educators may apply as part of a team or individually.**  In applying, the team agrees to conduct in-service training for their district as well as other educators from the area if any are interested in NASA educational materials and career information acquired at the NASA Center workshops. The district must agree to these stipulations, as well as provide time for the in-service. Applicant requirements:

* U.S. Citizen of the United States
* Employed in the State of Iowa as a K-12 educator
* One year of experience in education
* Employer agreement with support of Partner Schools requirements

**Consideration:**

This is a competitive process. The ISGC will consider the following on applications:

* Ability to communicate understanding and commitment to the workshop goals:

1. To provide educators with the background and experience that will add to their knowledge base as an educator.
2. To make connections between space science and school curriculum that will allow educators to enhance their instruction.
3. To create a network of educators within the State of Iowa to act as space science resources for the STEM education community.

The ISGC anticipates awards for eight teachers.

**Deadline:**

All applications must be **received** by 3:00 p.m. Friday, December 16, 2016.

* *Late applications will not be considered*
* Submit electronically via email, or by USPS:
* Email to: [jstaker@iastate.edu](mailto:jstaker@iastate.edu)
* Mail to: **Jay Staker, Associate Director, ISGC**

**Iowa State University**

**Aerospace Engineering**

**1234 Howe Hall, 537 Bissell Road**

**Ames, IA 50011-1096**Applicants will be notified of their status no later than January 3, 2017.

The application packet is also available on the ISGC Website at: [www.iaspacegrant.org](http://www.iaspacegrant.org) on the precollege page under FUNDING: <http://www.iaspacegrant.org/funding/precollege/>.

Questions may be directed to [jstaker@iastate.edu](mailto:jstaker@iastate.edu) or 515-294-8417.

**Marshall Space Flight Center Workshop: *The ISGC Academy***

**February 8-11, 2017**

Marshall Space Flight Center is the birthplace of the Saturn V Rocket that carried America to the moon in the late 60’s and early 70’s and is currently working on the next generation of rockets. It is at the heart of the International Space Station and advanced propulsion programs. This workshop will provide participants with the opportunity to interact with actual mission scientists and design engineers as they work on current space exploration projects.

*Tentative Features of the 2016 MSFC Workshop*

* *Visit with base historian*
* *Tour of the Propulsion Research Center*
* *Interaction with scientists and education specialists at MSFC*
* *Space Shuttle Launch Experience*
* *Tour of the Environmental Control Life Support System*
* *Tour of the National Center for Advanced Manufacturing*
* *Tour of the Payload Operations Center*
* *Tour of the Historical Test Stands*
* *Tour of the U.S. Rocket Center*
* *Visit the MSFC Education Resource Center*

Learn more about MSFC at <http://www.nasa.gov/centers/marshall/home/index.html>

The ISGC will provide each participant with round-trip airfare, lodging, admission fees, and transportation for the duration of the workshop.

Questions may be directed to [jstaker@iastate.edu](mailto:jstaker@iastate.edu) or 515-294-8417.

**2016-2017 APPLICATION FOR ISGC Partner School Program**

**Applicant One** Name:

School Name:

School Address:       City:       State:       Zip:      

Home Address:       City:       State:       Zip:

Primary Phone:       Primary E-mail Address:

Do you wish to receive information at your school or home address?       School       Home

U.S. Citizen:  Yes  No School District % Free and Reduced Lunch      %

Have you attended any other NASA educational events?  Yes  No

If yes, please list below:

|  |  |
| --- | --- |
| Workshop Title or Topic: | Month/Year: |

|  |
| --- |
| **Completion of this section is voluntary.**  This information is used to determine how well the program serves all segments of the diverse population.  Gender:  Male Female Individual with Disabilities?  Yes  No  Race:  African American Asian Caucasian  Hispanic Pacific Islander  Native American, Tribal Affiliation       Other |

**2016-2017 APPLICATION FOR ISGC Partner School Program**

**Applicant Two** Name:

School Name:

School Address:       City:       State:       Zip:      

Home Address:       City:       State:       Zip:

Primary Phone:       Primary E-mail Address:

Do you wish to receive information at your school or home address?       School       Home

U.S. Citizen:  Yes  No School District % Free and Reduced Lunch

Have you attended any other NASA Educational Events?  Yes  No

If yes, please list below:

|  |  |
| --- | --- |
| Workshop Title or Topic: | Month/Year: |

|  |
| --- |
| **Completion of this section is voluntary.**  This information is used to determine how well the program serves all segments of the diverse population.  Gender:  Male  Female Individual with Disabilities?  Yes No  Race:  African American  Asian  Caucasian  Hispanic Pacific Islander  Native American, Tribal Affiliation       Other |

**2016-2017 APPLICATION FOR ISGC Partner School Program**

School Information:

School Name:      

School Address:       City:       State:       Zip:      

School Phone: (     )     -      School Fax: (     )     -     

School District:      

Principal’s Name:

Administration Signature (Signature on the “institutional letter of commitment” on the following page indicates district support of the project including teacher team release time, substitute pay, and district support for follow-up in-service)

School Type (Mark all that apply):  Public  Private  Urban  Suburban  Rural

Current School year ends: Month:  Day:       Year:

Grades and subjects you currently teach:

Current position/title (Mark all that apply):  Teacher  Media Specialist  Resource Teacher

Curriculum Specialist Other:

Length of Current Position:

In your current position, how many students do you teach in one school year?

**Essays:**

Please answer these (individually or as a team) and include them with the application.

1. Please attach a one-page outline of course material you teach during the school year.
2. Please describe how this PD experience will improve STEM opportunities for students.
3. Please describe the units or projects currently in your curriculum that relate to NASA’s mission.

**NASA Vision: “To reach for new heights and reveal the unknown, so that what we do and learn will benefit all humankind.”**

**NASA Mission: “Drive advances in science, technology, and exploration to enhance knowledge, education, innovation, economic vitality, and stewardship of earth.”**

1. Please describe how you as a team would implement a plan to support your school as well as provide PD for your colleagues as a result of this workshop.
2. NASA has emphasized reaching those who wouldn’t traditionally enter math, science, and engineering careers. How will you use this experience to reach those groups that are under-represented in these areas?

**INSTITUTIONAL LETTER OF COMMITMENT**

To be completed by principal or supervisor.

(Please complete, sign, date and either scan to pdf, mail, or fax)

*Your endorsement of this PD opportunity for your employee is a key element to the effectiveness of the workshop. The ISGC is confident that you and the applicant will both find the experience an excellent investment of time, focus, and energy. Please read the agreement and sign below*.

I have reviewed this application and believe that *The ISGC Academy* will be a beneficial training experience for this applicant and our district and/or service area. If this applicant is selected, our school/agency is willing to support him or her in:

* implementing space-based science in the classroom,
* conducting an in-service during the current school year to our teaching community including other area schools,
* having year-round access to e-mail and the Internet, and
* providing release time with substitute for PD identified by the applicant based upon agreement of the ISGC.

Applicant One Name:

(please print)

Applicant Two Name:

(please print)

Principal/Supervisor Name:

(please print)

Phone Number: (     )     -

I am authorized to make this commitment on behalf of my school district or agency.

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Principal/Supervisor signature Date

**PERSONAL LETTER OF COMMITMENT: Teacher One**

(Please complete, sign, date and either scan to pdf, mail, or fax)

I,      , am applying to enroll in the 2016-2017 ISGC Partner School Program and wish to attend the selected PD, *The ISGC Academy*. The information in my application is accurate to the best of my knowledge. If selected as a Partner, I agree to commit myself, with the highest standards of my profession, to complete the following:

* Full attendance and participation in the selected PD.
* Conduct PD or student events for the STEM community to be completed before the end of the current school year.
* Submission of a final report of activity related to the project by April 30, 2017.
* Keeping ISGC up-to-date if there are any changes in my teaching assignment or contact information before I have completed my workshop commitments.

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Signature of Applicant One Date

**PERSONAL LETTER OF COMMITMENT: Teacher Two**

(Please complete, sign, date and either scan to pdf, mail, or fax)

I,      , am applying to enroll in the 2016-2017 ISGC Partner School Program and wish to attend the selected PD, *The ISGC Academy*. The information in my application is accurate to the best of my knowledge. If selected as a Partner, I agree to commit myself, with the highest standards of my profession, to complete the following:

* Full attendance and participation in the selected PD.
* Conduct PD or student events for the STEM community to be completed before the end of the current school year.
* Submission of a final report of activity related to the project by April 30, 2017.
* Keeping ISGC up-to-date if there are any changes in my teaching assignment or contact information before I have completed my workshop commitments.

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Signature of Applicant One Date

**PHOTOGRAPHY RELEASE FORM: Teacher One**

(Please complete, sign, date and either scan to pdf, mail, or fax)

For good and valuable consideration, the receipt of which is hereby acknowledged, I hereby consent to the photographing of myself and the recording of my voice for the use of these photographs and/or recordings singularly or in conjunction with other photographs and/or recordings for advertising, publicity, or other business purposes. I understand that the term "photograph" as used herein encompasses both still photographs and motion picture footage. I also understand that others, with or without the consent of the Iowa Space Grant Consortium (ISGC) may use and/or reproduce such, photographs and recordings. I hereby release the ISGC and any of its associated or affiliated programs, their directors, officers, agents, employees and customers, and appointed advertising agencies, their directors, officers, agents and employees from all claims of every kind on account of such use.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of Applicant One Date

**PHOTOGRAPHY RELEASE FORM: Teacher Two**

(Please complete, sign, date and either scan to pdf, mail, or fax)

For good and valuable consideration, the receipt of which is hereby acknowledged, I hereby consent to the photographing of myself and the recording of my voice for the use of these photographs and/or recordings singularly or in conjunction with other photographs and/or recordings for advertising, publicity, or other business purposes. I understand that the term "photograph" as used herein encompasses both still photographs and motion picture footage. I also understand that others, with or without the consent of the Iowa Space Grant Consortium (ISGC) may use and/or reproduce such, photographs and recordings. I hereby release the ISGC and any of its associated or affiliated programs, their directors, officers, agents, employees and customers, and appointed advertising agencies, their directors, officers, agents and employees from all claims of every kind on account of such use.

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Signature of Applicant Two Date