



2020 Partner Schools Application Packet

The [Iowa Space Grant Consortium](#) (ISGC) announces a **new and exciting** change to this year's 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 and preservice STEM educators to attend exciting professional development (PD) to bring their experiences back to their classrooms, schools, and colleagues. This year, the program will provide funding to attend NASA-sponsored professional development at Kennedy Space Center (KSC) located at Cape Canaveral, Florida. The conference will be March 1-4. Travel to KSC will be on March 1st with return on March 4th (dates are tentative based on possible NASA launches and flight availability).

ISGC will provide registration, onsite travel, and housing for each participant for this 2020 Partner School Program. This does not include expenses for travel to and from the airport or those expenses incurred by the school district related to the teacher's absence. Meal expenses incurred during travel will be the participant's responsibility. Baggage check fees are also 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 STEM-related learning to educators, students, and the public.) Participation can include providing teacher and student activities, hosting a NASA event, or other appropriate activities in Iowa. The ***ISGC Academy*** can be face-to-face or an on-line resource. 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 form submission is not available. **Applications are due December 8, 2019.**

Applications will be reviewed with selections based on the following criteria:

- ◆ Application completed accurately and submitted by deadline
- ◆ Essay response
- ◆ Need
- ◆ Partnering plan
- ◆ Budget match (can be in-kind)

Eligibility:

Applicants that are in-service must apply in teams of at least two with a minimum of one educator teaching K-12 STEM. These 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. **Preservice educators may apply as part of a team or individually.** The applicants agree to conduct in-service training for their district as well as other educators from their area if any are interested in NASA educational materials and career information acquired at the conference. 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*
- * Not applicable to preservice educators. See preservice instructions below.

Consideration:

This is a competitive process. The ISGC anticipates awards for eight teachers and will consider the following on applications:

- ◆ Ability to communicate understanding and commitment to the conference 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.

Deadline:

All applications must be **received** by 3:00 p.m. Friday, **December 8, 2019**. Notifications will be sent by December 23, 2019.

- ◆ *Late applications will not be considered*
- ◆ Scan and e-mail to: isgc@iastate.edu
- ◆ Or mail to: **Jay Staker, Associate Director, ISGC**
Iowa State University, Aerospace Engineering
1234 Howe Hall, 537 Bissell Road
Ames, IA 50011-1096

The application packet is also available on the ISGC website at: www.iaspacegrant.org on the precollege page under FUNDING: www.iaspacegrant.org/funding/precollege/.

ISGC's NASA Educators Conference: *The ISGC Academy* March 1-4*, 2020

Experience three days of complete immersion into the out-of-this world adventure of space exploration!

This professional development opportunity is for grades kindergarten through 12th – and not just for science teachers! ISGC strives to use space to teach across the curriculum. The activities presented can be used for science, language arts, mathematics, history, and more.

Sessions will be hosted by NASA personnel at KSC including NASA educators. Hear from the astronauts leading the charge in exploration! Come learn about Artemis and the bold vision to send humans back to the Moon and off to Mars! Experience KSC with tours of the facility that looks to the future while celebrating the past. Learn the latest with the new commercial crew program. And bring back exciting lessons, activities, and more to your classroom and colleagues.

Learn more about KSC at:

<https://www.nasa.gov/offices/education/centers/kennedy/home/index.html> and
<https://www.nasa.gov/centers/kennedy/home/index.html>

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

Questions may be directed to isgc@iastate.edu or 515-294-3106.

* Dates are tentative and may change based on NASA launches and flight availability.

Preservice Application Process and Essays:

Preservice educators please complete the 2019 APPLICATION FOR ISGC Partner School Program Application for Applicant One or Preservice Educator. For “School” enter where you are enrolled in the education program. Then complete and attach answers to the following essay questions:

1. Please describe how you would use NASA’s vision and mission to enhance STEM learning in your teaching.

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.”*

2. How would you use what you learn from this experience to provide PD for your fellow classmates and colleagues as a result of this conference?
3. NASA has emphasized reaching those who would not traditionally enter science, technology engineering and math careers. How will you use this experience to reach those groups that are under-represented in these areas?

Questions may be directed to isgc@iastate.edu or 515-294-3106.

Preservice application checklist:

1. Page 6 – 2020 Application for ISGC PS Program (Applicant One/Preservice)
2. Page 9 – Institutional Letter of Commitment
3. Page 10 – Personal Letter of Commitment
4. Page 12 – Photography Release Form

In-Service Educator Application Process and 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.”*

4. 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 conference.
5. 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?

In-Service Educator application checklist:

1. Page 6 – 2020 Application for ISGC PS Program (Applicant One)
2. Page 7 – 2020 Application for ISGC PS Program (Applicant Two)
3. Page 8 – 2020 Application for ISGC PS Program (School Information)
4. Page 9 – Institutional Letter of Commitment
5. Page 10 – Personal letter of Commitment (Applicant One)
6. Page 11 – Personal letter of Commitment (Applicant Two)
7. Page 12 – Photography Release Form (Applicant One)
8. Page 13 – Photography Release Form (Applicant Two)

2020 APPLICATION FOR ISGC Partner School (PS) Program

Applicant One or Preservice Educator 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 _____

2020 APPLICATION FOR ISGC Partner School (PS) 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 _____

2020 APPLICATION FOR ISGC Partner School (PS) 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: Select 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? _____

INSTITUTIONAL LETTER OF COMMITMENT

To be completed by principal or supervisor.
(Please complete, sign, date, and either scan to pdf, or print to mail.)

Your endorsement of this PD opportunity for your employee is a key element to the effectiveness of the conference. 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.

Principal/Supervisor signature

Date

PERSONAL LETTER OF COMMITMENT: Applicant One

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

I, _____, am applying to enroll in the 2020 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 June 15, 2020.
- Keeping ISGC up-to-date if there are any changes in my teaching assignment or contact information before I have completed my workshop commitments.

Signature of applicant one

Date

PERSONAL LETTER OF COMMITMENT: Applicant Two

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

I, _____, am applying to enroll in the 2020 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 June 15, 2020.
- Keeping ISGC up-to-date if there are any changes in my teaching assignment or contact information before I have completed my workshop commitments.

Signature of applicant two

Date

PHOTOGRAPHY RELEASE FORM: Applicant One

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

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, social media posts, and video. 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: Applicant Two

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

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, social media posts, and video. 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 two

Date