



**Margaret Baguio** – Program Manager  
Education and Outreach

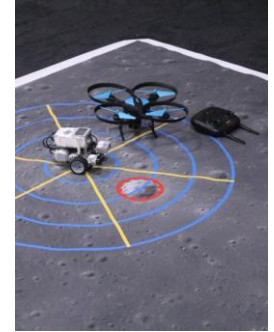
And

LiftOff Alumni



# Teacher Professional Development: NASA LiftOff Summer Institute

- Weeklong STEM Professional Development
- Nationally competitive program
- Held at NASA Johnson Space Center
- Theme changes each year
- Middle and High School STEM Teachers
- Train-the-trainer workshop
- Teachers attending from Texas and other Space Grants



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# Liftoff Resources & Impact

- Speakers
- Curriculum
- On-line resources
- Projects and activities
- Handouts



Each year, educators provide follow-on evaluations regarding activities used from LiftOff, the number of teachers trained, and students reached. Statistics show on average the 50 educators:



7,000  
Students



1,000 Fellow  
Teachers



Numerous  
Indirect Contacts



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# LiftOff 2020: Moon to Mars!



Cost for out-of-state teachers is \$750 for the week which includes the hotel, local transportation, meals, and tours. Airfare or travel is an additional fee. Average cost is \$1200-\$1500.



What is your return?

- A motivated teacher trained on NASA curriculum and resources
- Matching letter signed by educator with the value of their time
- Evaluation results for OEPM reporting
- An educator that spreads the Space Grant story



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# K-12 Education

## Goals:

1. Assist K-12 teachers in exciting their students to learn STEM through space based activities.
2. Increase K-12 educator knowledge in space related fields.
3. Increase K-12 students knowledge in math and science through space related activities.
4. Increase the public's appreciation for the direct and indirect benefits of NASA sponsored research.



# Where are they now?

- Motivated classroom teachers
- STEM curriculum developers
- Einstein Fellows
- Solar System Ambassadors
- Education Specialists at NASA Centers
- Mission Control Specialist at NASA JSC
- Teacher Liaison with the Space Foundation
- Space Exploration Educator SEEC Crew Members
- President's Award for Math and Science
- Teacher of the Year



Derek Hammons  
ODF Flight Controller at NASA  
Johnson Space Center



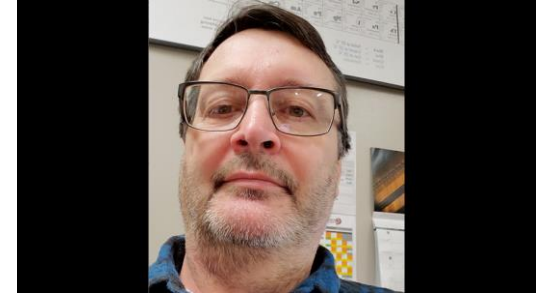
RIVERSIDE HIGH TEACHER HONORED WITH  
PRUDENTIAL MATH ARCHITECT AWARD BY STTE  
FOUNDATION



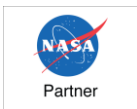
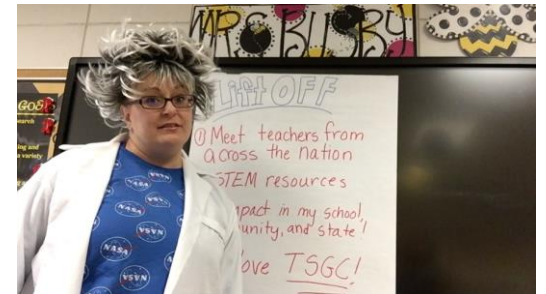
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# Hear what LiftOff participants have to say about their experience!



**Watch the video at:**  
<http://bit.ly/2Vr0N1a>



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# Texas Space Grant Consortium



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