



National Aeronautics and  
Space Administration

A vibrant space-themed background featuring a large, glowing yellow sun in the center. To the left, a large blue and white Earth is visible. To the right, a ringed planet (Saturn) and a gas giant (Jupiter) are shown. Other celestial bodies, including a crescent moon and various stars, are scattered throughout the dark space.

# SCIENCE MISSION DIRECTORATE

**Dr. Kevin Czajkowski**  
**GLOBE Mission EARTH**  
**SATELLITES Student Conference**

May 3, 2017

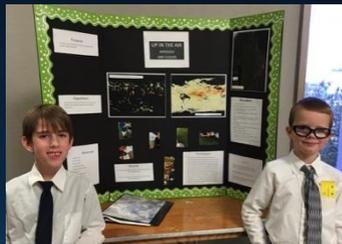
# GME SATELLITES Student Conference

## And the winners are.....

On May 3, 2017, 130 students presented 90 research projects at the GLOBE Mission EARTH SATELLITES Student conference at The University of Toledo's Student Union. This conference, originally named SATELLITES: Students And Teachers Exploring Local Landscapes to Interpret The Earth from Space, has grown over the years; in 2016 there were 82 students presenting 58 projects. Below are the **FIRST PLACE Winners** and Second /Third Winners following.



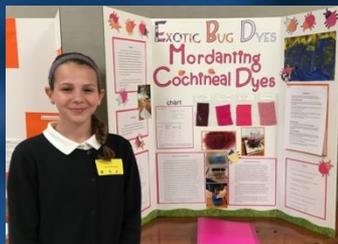
**K-3 Division**  
*Clouds and Aerosols*  
 Gabriel Bruck & Cale Jones  
 Gr. 1, St. Patrick Elementary  
 Monroe, MI



**Grades 4-6**  
*Capillarity of Soils*  
 Lauren Monske  
 Gr. 6, St. Patrick Elementary  
 Monroe, MI



**High School Division**  
*Analysis of Aerosol Optical Thickness Data During the Fall and Winter Michigan Months,*  
 Ali Eter, Hana Salami, Sara Komaih,  
 Gr. 10, Crestwood High School  
 Dearborn, MI



**Grades 7-8**  
*Mordanting Cochineal Dyes*  
 Gracie Bylow  
 Gr. 7, St. Patrick Elementary  
 Monroe, MI



**College Division**  
*Drought Monitoring using Vegetation Temperature Condition Index (VTCI): A Case Study of California*  
 Samuel Owusu-Agyemang  
 Graduate Student, University of Toledo

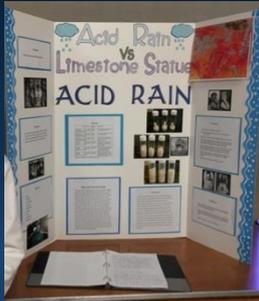


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# GME SATELLITES Student Conference

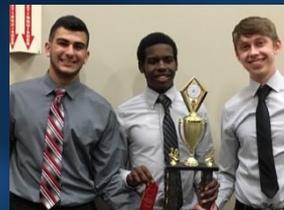
And the winners are.....  
**Second Place**



**Grades 4-6**  
*Acid Rain*  
 Drew Bylow  
 Gr. 5, St. Patrick  
 Elementary  
 Monroe, MI



**Grades 7-8**  
*Local Aerosol Atmosphere and its Potential Impact on Asthma-Related Illness*  
 Yun Khaing  
 Gr.8, Roswell-Kent Middle School  
 Akron, OH



**High School Division**  
*Relationships Between Surface and Near Surface Temperatures Based on Multiple Ground-Level Parameters During a Michigan Winter*  
 Hassan Fawaz, Jordon Horton, Kristian Manivilovski  
 Gr. 11, Crestwood High School  
 Dearborn, MI



**People's Choice Award**

*Does your "Seat" Temperature Affect your Temperature?*  
 Amber Terry  
 Gr. 5, Thirkell Elementary-Middle  
 School, Detroit, MI



**College Division**  
*Investigating the Climate System: Clouds*  
 Brittany Layden & Rebecca Clinger  
 Undergraduate, University  
 of Toledo



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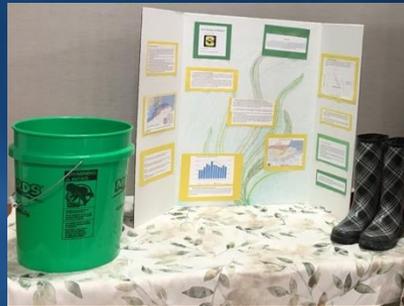
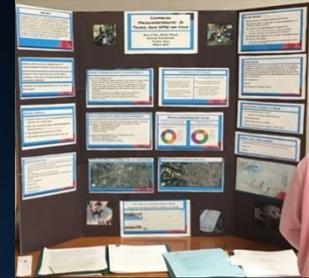
And the winners are.....  
**Third Place**



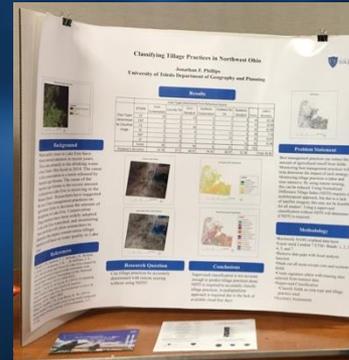
**Grades 4-6**  
*Cleaning Runoff: How Filtering Polluted Water Helps Promote Healthy Plant Growth*  
 Sara Finks  
 Gr. 6, St. Edwards School  
 Ashland, OH



**Grades 7-8**  
*Comparing Macroinvertebrates In Toledo, Ohio (USA) and Chile*  
 Ava Lytten & Paige Staler  
 Gr. 7, Navarre Elementary  
 Toledo, OH



**High School Division**  
*Are Farms to Blame?*  
 Autumn Holzemer  
 Gr. 12, Clay High School  
 Oregon, OH



**College Division**  
*Frogtown Toad Species Distribution Model*  
 Jeremy Schroeder  
 Graduate Student,  
 University of Toledo



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