



AEROKATS and ROVER Education Network (AREN)

Wayne RESA, Wayne MI - Monthly Status – May, 2017



Need(s) or Areas to Watch

- Better highlight reasonable expectations of teachers assessed through the AREN Pilot group in preparation for adding more schools/teachers for the fall.
- Safety strategies for flying kites.
- Difficulty of flying kites “at scheduled times on scheduled dates” – Challenge, yet part of Operations “Mission World”
- Assisting teachers with GLOBE profiles and school pages.
- Video storage and placement (viewing and format)

Look Ahead

- Continued 3D Printer Development for Aeropods
- Continued research and development of Aeropods
- Summer PD at Chesapeake Bay Environmental Center with Bucks County IU Teachers
- Summer Bulls-EYE Project at USF on ROVERS
- TerraROVER 4 research and development
- GLOBE Annual Meeting July 30 – August 3, 2017
- GSFC Summer AREN AREOKAT STEM PD’s – PSU: MS/HS Teachers – GSFC ERC AREN GLOBE – Greenbelt Lake Community Event

Cross-Collaboration Status

- Produced three podcasts on Eclipse 2017
- Participated in GLOBE Student Research Symposium Phone Conferences
- “Earthlings” Phone Conference
- Andy and Dave presented at the Odyssey of the Mind (MSU East Lansing, MI)
- Continuing to distribute Eclipse Glasses
- Montana State is discussing potential collaborations with the Northeast Earth and Space Science Pipeline (NESSP)

Updates/Changes

- Provided weather station, sensors/probes, and kites to Wayne County Pilot Schools
- Met with Rep from Lawrence Technological University (Southfield, MI) on integrating AREN in their STEM Center.
- Continued conversations with Excel U on integrating AREN.
- Visited AREN Pilot schools implementing the AREN Project through the Rouge Education Project and Gibraltar Studies.
- Presented at Rouge River Water Festival (150 students)
- Hosted the Wayne County Green School Festival (80 students and teachers)
- Attended the Midwest GLOBE Student Research Symposium at Purdue University (3 Metro Detroit Team –2 AREN Pilot teams)
- Reported out at Rouge Education Project Education Meeting
- Change of personnel at Public Lab
- Increase in GLOBE Data being submitted – Pilot Groups and Weather Stations
- Kite Day at University of South Florida
- NASA GSFC activities, including the AREN Project, for AVSC 310 at University Maryland Eastern Shore
- AVSC 310 students experienced first hand “schedule pressure,” “managing expectations,” through successful completion of course work and successful implementation of AREN.
- Attendance at the Annual International Kite Convention in Ocean City, MD
- NTEN Course on Atmospheric Science is going through the approval chain at Montana State University.