



# AEROKATS and ROVER Education Network (AREN)

## Wayne RESA, Wayne MI - Monthly Status – May, 2018



### Need(s) or Areas to Watch

- Evaluation – Top Level Metrics – Partnerships
- Consideration of New Partners: US Forest Service, Earth Force

### Look Ahead

- Planning for AREN Team Meeting and GLOBE Northwest Student Research Symposium at Montana State University (MSU) in June, 2018. Reports being developed by team partners on successes, challenges and future plans.

GLOBE and the Midwest SRS



Kite Flying



### Updates/Changes

- Website Updates
- Additions to “AREN User Community”
- Field Testing of Kites
- AREN Flights Through the Rouge Education Project Water Quality Testing Week
- Monthly – Earthlings, NASA Headquarters, SciAct Working Group and AREN Team Monthly Online/Phone Conferences
- Regular GLOBE Student Research Symposium Online Meetings
- Meeting with COSMIC/COSMIC2 Team
- AREN training with Troy Middle Schools for Aerial Imaging and Kite Flying with Andy and Dave (750 - 7<sup>th</sup> graders)
- Reviewed the Gibraltar District STEM Challenge
- AEROPOD Guide(s) Development
- Hosted the GLOBE Midwest Student Science Symposium (SRS), May 18-19, with NASA Guests – John Haynes and Brian Campbell; GLOBE Guests – Tony Murphy and Haley Wicklein; US Forest Service Guest – Lisa Perez -- 55 Students and 20 Adults – 2 Projects Included AREN; AREN Student Workshop – Special Thanks to Wayne State University School of Medicine
- Reports, Photos and Photo Release Forms from UMES ENG 150 Class on Wind Tunnels
- Analysis of GLOBE Data Visualization Website
- AREN Challenge Ideas – What if NASA put a kite on Mars?
- Water Quality Station Set Up, Washington College, to evaluate data collection methods and data visualization-data evaluation portal of GLOBE
- AREN Training and Field Day for 120 Students and 5 Teachers at Cooper Upper Elementary in Westland with Andy

### Cross - Collaboration

- US GLOBE and Mission Earth – GLOBE Midwest SR
- AEROKATS Monocam and Profiler Flights as part of Mission Earth/Tennessee State University Climate and Weather Class (GEO3500) with David Padgett