Benefits of the AREN Project

(NASA Award NNX16AB95A)

for Rouge Education Project Teachers

http://globe.gov/web/aren-project

Goals:
Do remote sensing and in-situ measurements
Utilize NASA technology
Participation in the GLOBE Program and other NASA Partnerships
Increasing STEM Education

Equipment (Value - $2000):
https://www.globe.gov/web/aren-project/overview/cohort-activity/-gibraltar-public-schools

- AEROKAT Kite System – Kite, string, gloves, etc.
- Monocam AEROPOD
- Weather Meter
- Labquest 2
- Vernier Probes – Dissolved Oxygen, Temperature, pH, Conductivity, Turbidity

Requirements:

- Capture Aerial Image of School Site and Testing Site (if possible)
- Collection of Atmospheric Date from Study Site
- Collection of Digital Data from Probes
- Entry of Data into the GLOBE database
- Become a GLOBE Teacher through on-line training – http://globe.gov/get-trained/protocol-etraining

Professional Development of equipment and NGSS alignment, provided on an as needed basis by:
David Bydlowski – davidbydlowski@me.com
Andy Henry – henrya@resa.net

Opportunities:

- Students are encouraged to submit projects to the GLOBE Midwest Student Symposium, May 18-19
- Integration into NASA Earth Science Programs – http://science.nasa.gov/science-activation-team
- GLOBE Participation
- Engineering (Maker) Challenges
- STEM Enhancement