ROCKETING Educators to the 21st CENTURY...
South Carolina Space Grant Consortium

By Cynthia Hall, College of Charleston
PARTNERS....

- Consortium Development State
- Educators from Charleston and Dorchester County School Districts
STATE NEEDS....

- Reading, Math and Science scores fall below national average
- Majority of SC schools are eligible for Title I funding
EDUCATOR NEEDS...

- Content Training
- Engaging, Relevant Material
- Cross-curricular Activities
- Science Education Workshops/Courses
  - Standards-based
  - 21st Century Skills-focused
- Partnerships to Volunteer, Present, Etc.
WHAT SC SPACE GRANT DOES...

- **Fly Me to the Moon**
  - Professional development opportunity for educators providing content training in lunar science
  - Developed and taught with scientists and educators
  - Sustained through a Masters in Education in Science and Math course
WHAT SC SPACE GRANT DOES...

- Critical Thinking Skills, Multi-disciplinary Activities, Media and Technology Literacy, Cultural Awareness

SC Spacegrant members present at California School for the Blind and NASA’s 3rd Lunar Science Forum
WHAT SC SPACE GRANT DOES...

- Geospatial Institute for Students and Teachers (GIST) in Climate Change
  - Educators paired with faculty mentor/undergraduate student team to develop curriculum around local and regional climate change
WHAT SC SPACE GRANT DOES...

- Global Awareness, Environmental Literacy, Social and Political Skills, Technology Literacy

A program involving STUDENT & TEACHER teams
PARTNERSHIP = SUCCESS

- SC is falling behind in various disciplines, including STEM
- Teachers need help from scientists and engineers
- Space Grants have the resources (not necessarily financial) to aid educators
- The KEY is to develop relationships and partnerships with K-12 communities

SC programs bridge the gap between students and teachers, increases communication and awareness and directly responds to needs.
Questions...
WHY WE NEED TO PARTNER....

- **Physiological**: breathing, food, water, sex, sleep, homeostasis, excretion
- **Safety**: security of body, of employment, of resources, of morality, of the family, of health, of property
- **Love/Belonging**: friendship, family, sexual intimacy
- **Esteem**: self-esteem, confidence, achievement, respect of others, respect by others
- **Self-actualization**: morality, creativity, spontaneity, problem solving, lack of prejudice, acceptance of facts