

# Engineering Green Vehicles Antilles High School

May, 2012

# The Solar Car Engineering Design Challenge

- Unit is designed using the 7E model.
- Unit includes research into alternative energy forms as well as a solar vehicle design challenge.
- Students design and re-design vehicles as well as quality criteria.
- Students explore marketing issues as well as science, mathematics and engineering issues.

# Building the Cars



# Discussing Design Options



# Adjusting for Angle of Solar Collector



# Comparing Design Results, a.k.a Racing the Solar Vehicles

