

# Aerospace Education Laboratory (AEL)

- The AEL is a state-of-the-art, electronically enhanced, computerized classroom that puts cutting-edge technology at the fingertips of NASA SEMAA students in middle and high school. There are currently 31 AELs located throughout the Country and in Puerto Rico, including one at each of the 17 SEMAA sites.
- Classes are conducted in the AEL utilizing different scenarios covering all of NASA's science and technical missions. In addition to serving as a state-of-the-art laboratory for SEMAA classes, the AEL also engages community groups, outside organizations, and the general public at large in exciting outreach programs conducted year-round.

The AEL workstations are equipped with aerospace hardware and software that model real-world challenges in the areas of aeronautics and microgravity. In ten (10) unique workstations, visitors can explore technology through 'hands on/minds on' activities that model real-world challenges in aerospace.

## **Aeronautics Workstations**

Meteorology / Weather  
Virtual Reality Flight Station  
Wind Tunnel Control Station  
Remote Sensing  
GPS/Amateur Radio  
Internet/World Wide Web  
Aircraft Design Station  
Aeronautics Interactive  
Resource Center  
Activity Center

## **Microgravity Workstations**

Biotechnology/Material Science  
Fluids Physics/Combustion Sci.  
Global Positioning System  
ISS Virtual Reality Tour  
Living in Microgravity  
Microgravity Demonstrator  
Microgravity Interactive  
Robotics in Microgravity  
Resource Center  
Virtual Reality