Mid-Atlantic Regional Space Grant Meeting

September 24-26, 2014

Williamsburg, VA
Strengthening the NCSG Partnership with the NCCCS to Enhance STEM-Based Learning

• Partners include: NC Community College System (58 campuses), UNC-General Administration, NASA (LARC, Wallops, JSC), LORD Corporation

• Two Components:
  1. Competitive Student Scholarships:
     – Open to CC students enrolled in the Associate in Applied Sciences (AAS) degree program (current matriculation rate for the NCCCS is 20.8%)
     – $2,500 per semester (Goal is to reach 4 students over course of grant activity)
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2. Team Design Challenge and Competition:
   – Ballooning (utilizing NASA’s design cycle – design, develop and launch – adapted to Community College)
   – Components:
     • Professional development (faculty)
     • Campus-based team formation and training
     • Statewide Competition
     • Educational outreach
   – Students who successfully complete all phases of the Competitive Challenge (e.g. Critical Payload Design, Team Build, Outreach, Launch, and Post-Launch Evaluations will receive a $1,000 Design Scholarship