Making the Connection
Advanced Technological Education
and Dropout Prevention

Elaine L. Craft
January 12, 2010
There Is a Dropout Prevention Partner in Your Neighborhood

- 2-year colleges
- Comprehensive and technologically advanced
- 1,195 community colleges in US enroll 11.5M
- Most diverse student population in higher education
NSF ATE Program

• National Science Foundation (NSF)
• Advanced Technological Education (ATE)
  – Promotes collaboration between secondary and postsecondary education
  – Focuses on STEM preparation and technician education
  – All ATE-funded resources freely shared
• ATE grantees are looking for ways to work with you!
Partners in Serving At-Risk Students

• Facing the same challenge:
  – You call it dropout prevention.
  – We call it retention.

• Serving diverse, often encumbered and challenged students is a mission of community colleges.

• Many of the same strategies for improving student engagement and success work in both secondary and postsecondary.
NDPC’s 15 Effective Strategies

• ATE can help with dropout prevention
• Dual credit and articulated credit promote graduation
• Video resources stimulate interest in careers students haven’t considered
  – High-tech careers with associate degrees
  – >60% of jobs in the new economy
Bridge Courses & Learning Units

• Bridge courses in the technologies promote matriculation and success
  • Technology Gateway
  • Bridge to Biotechnology

• Learning Units
  • Geospatial Technology/remote sensing
  • Natural/sustainable resources
Technology Gateway
Technology Gateway

- Integrated, multiple-disciplined, problem-based curriculum comprised of workplace scenarios
- Increases the opportunity for high school students to become “college ready”
- Effective tool for dropout prevention
Teaching Resources

- ATE Central  www.ATECentral.net
- Networks     www.matecnetworks.org
- NCME/NTEC    www.ncmeresource.org
- MatEd        www.materialseducation.org
- NCSR         www.ncsr.org
- IGETT        igett.delmar.edu
- GeoTechCenter www.geotechcenter.org
Connect with ATE

- ATECenters.org
- Where are the ATE Centers?
Professional Development: www.TeachingTechnicians
A new approach to connecting providers of faculty development to those seeking faculty development

>280 events posted since launch

Almost 10,000 educators have visited

>430 registered users to date
Teaching Technicians
Your Direct Link to Faculty Development Events

Registration
To proceed with the next step in the registration process, please follow the instructions below.

Registering at TeachingTechnicians.org is easy and free!

Benefits of registration include:
1. Ability to post your events / seminars.
2. Ability to create and save search agents.
3. Notification when new events matching my interests are posted.

Please carefully read the terms and conditions that will govern your use of this site.
Your acceptance will enable you to register so that you may post events and take advantage of all services the site provides.

Register

How to Contact Us

NSF
Funded in part by the National Science Foundation, DUE #0002710, SC ATE National Resource Center for Expanding Excellence in Technician Education
Privacy Policy | Disclaimer

Copyright 2007,
All Rights Reserved
SC ATE Center of Excellence
Other Opportunities to Connect with ATE
Camps, Field Trips, Projects

• ATE summer technology camps or other summer experiences for middle and high schools students

• Technical and community college technology programs encourage teachers to bring students to visit to stimulate interest.

• Colleges seek secondary partners when developing grant proposals to fund innovation and collaboration.
Faculty Summer Programs
Robotics
Consider the Opportunities
Elaine.Craft@fdtc.edu
Florence-Darlington Technical College, Florence, SC

SC ATE Center of Excellence
843-676-8547
www.TeachingTechnicians.org
www.scate.org