

Name Rachel Baxter
Title Lecturer
Department Agricultural and Industrial Sciences

College Sam Houston State University
P.O. Box 2266
Huntsville , TX 77341-2266

Degrees Earned

Degree, Major, (minor – optional), Institution, Year

M.A. in Industrial Education & Instructional Leadership Sam Houston State University 2004

B.S. in Industrial Technology & Secondary Education Sam Houston State University 1995

Professional Licensure and Certifications

Secondary Industrial Technology grades 6-12 Life

English as a Second Language Supplemental grades 6-12 Provisional 2007-2013

ATC (Advanced Technical Credit or TechPrep) for Engineering Graphics, CAD, Architectural Graphics, and Animation Technology grades 11-12 1995-Current

CRISS I (CREating Independence through Student-owned Strategies)

SIOP I & II (Sheltered Instruction Observation Protocol)

Peer-Review Publications and Artistic Performances/Exhibitions

Articles

Numerous articles published in ATTE journals over the past 8 years ranging from Lab Safety, Lathe Turning, Classroom Management, Integrating Technology, Basic Web Page Designing, regional reports, and of course officer articles.

Penn State Industries article December 2000 based upon use of lathe turnings to motivate students. Student article also published.

Research Monographs and Technical Reports

[Texas Education Agency - TEKS Curriculum - Lab Safety Guide \(all notes, tests, etc.\); 1998](#)

[Texas Education Agency - TEKS Curriculum - MS: Exploring Energy, Power, & Transportation; 1999](#)

Peer-Review Presentations/Posters

My area of specialty is curriculum, education, and technology. I have written numerous articles in ATTE journal. Co-wrote the Safety curriculum for TEA and the new TEKS in 1998. One of three asked back in 1999 and co-wrote for the Middle School Exploring Energy, Power, & Transportation. I am usually asked to present at different conferences based upon various subjects ranging from lab safety, use of Rubrics, to how to integrate technology into the curriculum.

Work or Professional Experiences

Assoc of Texas Technology Education Treasurer 2002-2006

Technology Education Improvement Grant: State Mentor 1998-Present

Brazos Valley Technology Education Assoc. Sec/Trea 1998-2005

BVTEA Reporter and Webmaster 2005-Present <http://www.bvtsa.org/>

Member International Technology Education Assoc 2001-Present

Technology Student Assoc advisor 1995-Present

Member Association of Career and Technology Education 2007-Present

Epsilon Pi Tau member 2004-present

Huntsville Girls Softball Assoc. Webmaster & Team Mom Commissioner

<http://www.huntsvillegirlssoftballassoc.org/>

Honors and Awards

BVTEA Outstanding Teacher 2002

BVTEA Distinguished Teacher 2003

ATTE/ITEA Distinguished Teacher 2006

Other Competencies

I am half position lecturer here at SHSU Industrial Technology Department teaching IT 139, IT 161, IT 439, & IT 488

I teach full time at Conroe HS also. There I teach Technology Systems, Engineering Graphics, Communication Graphics, and Computer Multimedia & Animation Technology grades 9-12.

At Conroe HS I am responsible for maintaining three computer labs. I am also 1 of 2 contact or "technology" coaches who assist other staff members in integrating technology such as websites. I am also a "tracking teacher" for a special needs student, who requires Assistive Technology to be able to participate. I am the only person on campus who can operate and maintain his equipment and software needs. I am also the coordinator for the ESL and Career & Technology Education departments. Responsible for tracking and coordinating the state required form, assessment examples, and other duties as they arise.

When I was ATTE Treasurer I was responsible for maintaining all of our finances, bills, etc.. and keeping track of over 300+ members. Winter Conference planning committee member for annual ATTE conference held every February at TAMU in College Station, being responsible for accounts, coordinating with vendors, and faculties planning.

I was on the ITEA 2007 conference planning committee, in charge of finance and budget.

I volunteer my time and skills with the Huntsville Girls Softball Association as the webmaster and as the Team Parent Commissioner. <http://www.huntsvillegirlssoftballassoc.org/>

Software that I have or that I am currently teaching is as follows:

AutoCAD 2002-2008, Microstation, Inventor 8-12, Solidworks 2007, 3DS Max 2-5, Revit 7-9, Photoshop CS1 to CS3, Flash, Dreamweaver, Animation Master, Camtasia & Hypercam, Microsoft Office Suite, video creating and editing, and more.