

# DONALD V. SCHAER

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## Skills

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### Administrative

- Coordination/supervision of student teachers in technology education from CCSU
- Certification: Technology Education (47) (1972-present) and Intermediate Supervision and Administration (92) (1995-present).
- Coordination/supervision of an urban district's technology education department of 35-33 teachers in 7 school buildings (1995-2003).
- Coordination/supervision of the technology education department supplies purchase and distribution process to 35-33 teachers in 7 school buildings (1995-2003).
- Facility and Program planning for Technology Education for the Downtown Waterbury Performing Arts Magnet School, a 6-12 school (2001-2003).
- Planning, coordination and delivery of the continuing professional development of the technology education department's 35-33 teachers in 7 school buildings (1995-2003).
- Planning, revision and assessment of the curriculum of the technology education department (1995-2003).
- Research, planning, proposing and installation of new equipment/labs related to curricular upgrades of the technology education department (1995-2003).
- Facilitation of district's participation in Inter-district Technology Initiatives such as the IT Academy (high school) and A+ Academy (middle school) (1995-2003).
- Grant writing in the technology fields including USF, TLCF, 21<sup>st</sup>CCLC, with an urban district viewpoint (1996-2001).
- Oversight of the district Educational Technology Planning and Revision Process through 3 revisions (1996-2001).
- Coordination of an urban district's technology infrastructure development and implementation for 27 school buildings over four years (1996-2001).
- Planning and coordination of technology professional development including on-site, off-site and on-line training associated with the district's Educational Technology Plan (1996-2001).
- Budgetary responsibility associated with State DOE Infrastructure grants, coordination with USF funding discounts, TLCF grants, Perkins Funding for Technology Education and district funding of Technology Education (1995-2003) and Science (2001-2003).
- Serve in leadership role of state-wide technology education professional organizations including the Connecticut Technology Education Leadership Council and the Connecticut Technology Education Association (1995-present).
- Consultant for Technology Education Curricular development and alignment with state and national standards of technological literacy (1999-present).

- Serve on the Board of Deacons of the Wolcott Community Bible Church (1980-present).
- MS Office: particularly Word, Excell, & PowerPoint.
- Cisco Network Academy (semester 1 & 2) trained instructor.
- Experience and training in Web development tools.

### **Evaluative**

- Candidate Evaluator for the Alternative Route Certification program student teaching program (2003 & 2004)
- Experience in State "BEST" Assessment process as a Cooperating Teacher, Mentor, and Assessor (1985-1995).
- Experience in evaluation of the staff of Technology Education teachers in Waterbury (1995-2003).
- Served on the district committee to develop current teacher evaluation instrument. (2001-2002)
- Served on the district committee to develop current administrator evaluation instrument. (2001-2002)

### **Curricular**

- Curriculum Specialist, Consultant to the revision of the Technology Education Curriculum in Norwalk, Naugatuck, Thomaston, Stratford, New Fairfield & Waterbury (1995-Present)
- Contributor to the revision of the CT Frameworks Technology Education Revision 2002-2004
- Major role in writing and developing the Connecticut Technology education Model Curriculum under the Goals 2000 legislation (2002)
- Revision of Technology Education curriculum K-12 and its alignment to CT Frameworks.
- Redesigning of facilities to serve the changing face of Technology Education through planning and installation of new modular technology education labs at three high schools, the video production labs at three high schools and the initiation of the Cisco Networking Academy at the two high schools.
- Revising and processing purchases in conjunction with curricular and facility changes including facilitating requisitions and the follow-through of receiving and distributing supplies from a central point to seven buildings.
- Work with integration of educational technology into academic teachers instructional practice through on-site, off-site and on-line professional development design, facilitation and oversight.
- Experience in computer assembly and configuration and basic computer networking.

### **Programmatic**

- Teaching of Technology Education for 23 years at the high school level, drafting, Electricity, Electronics & Computer-Aided Drafting

- Develop and implementation of the Alternative Route Certification program for Technology Education in Connecticut under the Department of Higher Education (2002-3, 2003-4, 2004-5)
- Familiar with Technology Education events on a National, State, and Local level and how they relate to our local goals and aspirations.
- Current member in professional organizations including International Technology Education Association, Connecticut Technology Education Association and Connecticut Technology Education Leadership Council.

## Education

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High School, Wilby, Waterbury CT, 1968

Bachelor of Science Degree, Technology Education, 1972, Central Connecticut State University (CCSU)

Master of Science Degree, Technology Education, 1977, CCSU

Sixth Year Planned Program, Educational Leadership and Administration, 1995, CCSU

## Position Experience

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Curriculum Consultant, Technology Education and CTE, August 2005 to present

CT-Technology Student Association State Advisor, August 2005 to present

Technical Education Solutions, Product Specialist, August 2005 to present

Central Connecticut State University, Assistant Professor, Technology Education, most recent Position

Central Connecticut State University, Coordinator/Supervisor of Student Teaching, Technology Education, most recent Position

Waterbury Public School System, Supervisor of Technology Education, Aug 96 to June 03

Educational Consultant, Technology Education Curriculum Design, July 97 to present

CT Department of Higher Education, Alternative Route Certification Program instructor, Technology Education Sept 2003 to present

Waterbury Public School System, Acting Supervisor of Technology Education, Aug. 95 to Aug 96

Waterbury Public School System, Department Chair, Technology Education, JFKHS, Aug. 92 to Aug. 95

Waterbury Public School System, Teacher of Technology Education, JFKHS, Sep. 72 to Aug. 92

Naugatuck Valley Community-Technical College, Kids on Campus instructor, Summer of 1994 and 1995

## Related Experience

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- Presenter: Connecticut Technology Education Association Spring Conference, Curriculum Development at CCSU for Teacher Preparation Program, CCSU, June 2, 2004

- Judge: CT Junior Solar Sprint, middle school solar model car competition, Slade MS, New Britain, CT, May 22, 2004
- Judge: FIRST Lego League, middle school robotics competition, CCSU, New Britain, CT, December 13, 2004
- Consultant: Connecticut 'Frameworks revision project', Technology Education team member (2003-2004)
- Consultant: Technology Education Curriculum Development, Norwalk PS, Series of workshops and facilitation of curriculum revision process, 2004-05
- Consultant: Technology Education Curriculum Development, Stratford PS, workshop Trends in Technology Education curriculum revision, 2003-04
- Consultant: Technology Education Curriculum Development, Thomaston PS, Series of workshops and facilitation of curriculum revision process, 2003-04
- Consultant: Connecticut Career Choices (CCC) Project, Technology Education Curriculum Development, Norwalk PS, Series of workshops and facilitation of curriculum revision process, 2003-04
- Presenter: Connecticut Technology Education Association Spring Conference, Technology Education supporting No Child Left Behind, CCSU, May 28, 2003
- Presenter: International Technology Education Association Conference, March 2003, Nashville Tennessee; jointly presented on the *IT Academy*, an inter-district project built around student teams developing marketable solutions to current information technology problems in a team environment promoting multiple technological and business skills.
- Judge: FIRST Lego League, middle school robotics competition, CCSU, New Britain, CT, December 12, 2003
- Consultant: Connecticut 'Frameworks revision project', Technology Education team member (2002-2003)
- Instructor: Connecticut Department of Higher Education Alternative Route Certification Program, Technology Education Methods (2002-2003, 2003-2004)
- Presenter: Connecticut Technology Education Curriculum Forum, Athan Allen Inn, Danbury CT, Release of the CT Model Curriculum in Technology Education, 2002
- Presenter: Connecticut School to Career Conference, Hamden CT, June 2001, Technology Education curricular alignment to standards; discussion on the significance of standards to instruction and the curricular revision process leading to curriculum that reflects state standards.
- President: Connecticut Technology Education Association, (2001-2005)
- Consultant: Connecticut Goals 2000 'Frameworks development project', task development team; several sessions developing a set of task templates as models for classroom activities that are designed to develop specific competence related to the state Frameworks in technology education.

- Consultant: Connecticut Goals 2000 'Frameworks development project', Model curriculum development team; several sessions developing a comprehensive K-12 curriculum as a model for districts to use in developing their curriculum documents. These are designed to align with and develop specific competence related to the state Frameworks in technology education.
- Consultant: Connecticut delegation member, International Technology Education Association National Standards in Technological Literacy Implementation Team; attended training in Virginia to act as a consultant for the implementation of the new Standards for Technological Literacy within the state of Connecticut.
- Consultant: Capitol Region Education Council, Perkins Alignment of Technology Education curriculum, 4 workshops for ten consortium districts around Hartford to guide them in revision of their district curriculum so that their district's curriculum would reflect alignment with the CT Frameworks for Technology Education.
- Presenter: Connecticut Technology Education Association Conference, Video Production program development and implementation; workshop sharing the process we went through in organizing and developing the video production program including the curriculum in Waterbury.
- Consultant: Connecticut Perkins Vocational/Technical Assessment Development team; worked with colleagues to create the Perkins assessment instrument now being used across the state.
- Consultant: Naugatuck CT, High School Technology Education Curriculum Development workshops; challenge to revise curriculum and course offerings to reflect the CT Frameworks for Technology Education and the ITEA Standards for Technological Literacy
- Consultant: New Fairfield CT, Technology Education Curriculum Development workshop; challenge to revise curriculum and course offerings to reflect the CT Frameworks for Technology Education and the ITEA Standards for Technological Literacy
- Consultant: Norwalk CT, Technology Education Curriculum Development consultation; revised high school Technology Education curriculum and course offerings to reflect the CT Frameworks for Technology (2005)
- Presenter: New England Association of Technology Teachers, Nov 2005, 3D Modeling on a PC and producing a physical model with a 3D Printer
- Consultant: LEARN, Technology Education Curriculum Development consultation; revised high school Technology Education curriculum and course offerings of eight local districts within the consortium to reflect the CT Frameworks for Technology (2006)
- Consultant: Stamford CT, Career and Technical Education Curriculum Development consultation; revised high school Career and Technical Education curriculum and course offerings to reflect the CT Frameworks and Perkins Standards and Competencies (2006)
- Consultant: Seymour CT, Career and Technical Education Curriculum Development consultation; revised high school Career and Technical Education curriculum and course offerings to reflect the CT Frameworks and Perkins Standards and Competencies (2006)

- Consultant: CREC, Career and Technical Education Curriculum & Program Evaluation/Review; visited and reported on the state of curriculum and program, making suggestions as to improvements that could be made in five districts including Somers, Windsor Locks, Canton, Avon and the Corrections Department school system (2006)
- Served as Associate State Advisor for the Technology Student Association for the school year 2005-06.

## References

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Louise Allen Brown, Grant Writer, Waterbury Board of Education, 30 Church St., Waterbury, CT 06702, 573-6633

Greg Kane, State Consultant for Technology Education, 165 Capitol Ave, Hartford, CT 06106, 860-713-6756

Scott Serafine, Technology Education Teacher, Waterbury Performing Arts Magnet, 16 South Elm St, Waterbury, CT 06706 573-6300

Richard Gagliardi, Supervisor, Bristol Public Schools, 129 Church Street, Bristol, CT 06010, 860-584-7004

Dr. James DeLaura, Professor, Technology Education Dept. Chair, CCSU, 1615 Stanley St, 860-832-1801

Patrick Foster, Prof., Technology Education, Central Connecticut State University, 1615 Stanley St, 860-832-1801

Additional references available upon request.