

Bonnie Masten
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Experience

High School Math Teacher, Rockwall Heath High School, TX August 2006 May 2007
Royse City High School, TX August 2004 – May 2006

- Classes Instructed - AP Calculus, Pre Cal, Geometry, Algebra I and II

Process/Equipment Engineer, Texas Instruments, Dallas, TX February 1998 - April 2003
Equipment Engineer, Texas Instruments Lubbock, Texas January 1996 - November 1998

- Responsible Engineer for Plasma Etch equipment and process
- Troubleshoot root cause failures and implemented safe guards through equipment modification or process verifications
- Removed unnecessary, non value added steps from plasma process
- Performed upgrades, modifications and unplanned/planned maintenance on Plasma Etch equipment.
- Interacted with vendors, facilities, technicians, and management to successfully coordinated installations and/or major modifications of over 25 Plasma Etch tools
- Interacted with vendors (OEM and second source) for new advancements and cost cutting development
- Organized, Implemented and Instructed Texas Instruments equipment software program (Trackworks) class to operators, technicians, engineers and managers
- Plasma Etch Yield Enhancement Team Leader - team developed and implemented methods to reduce killing defects and increase yield; team reduced defects on devices by up to 30%
- Gave numerous presentations to coworkers and management on various topics - cost reduction, process changes, yield enhancement, tool modifications

Research Assistant, The University of Texas at El Paso September 1993 - December 1996

- Researched feasibility of using a Laser instead of electrical current to determine LED quality prior to packaging for cost reduction
- Aided professor in proctoring exams, instructing labs, and grading papers

Education

- B.S. Mechanical Engineering, 1992, The University of Texas at El Paso, GPA: 3.39
- B.S. Engineering Technology, 1991, Cal Poly, Pomona, CA, GPA 3.34 cum laude
- M.S. Mechanical Engineering, The University of Texas at El Paso, GPA 3.77
NOT COMPLETED *All curriculum complete, thesis not submitted