

John Davis's – Short Resume Key Points Overview

I am currently employed as the Director for the Academy of Engineering at the school of Math Engineering Technology and Science in CMS (Charlotte Mecklenburg Schools) - CTE (Career and Technical Education). Over the past years, I have developed a comprehensive plan to bring "REAL" change to prepare students for successes in their college and career readiness. This plan is based on proven business /industry, nationally accredited engineering programs, the German model, High Tech High, Apprenticeship 2000, and the best parts of the small school concepts.

I have spent 20+ years as a high school technology/engineering teacher with Lincoln County, Hickory Public, and Charlotte Mecklenburg Schools. In this position, I have had the opportunity to:

- Teach as well as write NCDPI State curriculum.
- Development and implement: a certified PLTW (Project Lead The Way) engineering and advanced manufacturing curriculum as the main focal point of the school's STEM initiative.
- Establish a successful Habitat for Humanity program for the school of Math, Engineering, Technology, & Science CTE department.
- Created a school level VEX robotics competition team as well as serve as the Charlotte Mecklenburg District VEX robotics coordinator.
- Serve as the NAF (National Academy Foundation) Director for the AoE (Academy of Engineering) at the school of Math, Engineering, Technology, & Science.
- Had the privilege to participate on several board and design teams for the development of community, business, and education collaboration to provide our students with the necessary 21st century skills, knowledge, and contacts to transition into a positive and productive member of society.

As a result of teaching the PLTW (Project Lead The Way) engineering curriculum and working with the technology advisory committee, which is made up of local business / industry professionals, political, media, and local governmental agency, I have developed a sound working relationship between the school, parent, and community. In addition to teaching, I have a successful design and construction business.

I have had extensive background in business from 1988-1995. During this time, I have gained knowledge of the day-to-day operations of business and have gained the experience managing employees. I have had over twenty years experience in Career and Technical Education. I believe that these skills qualify Academic, Recruitment, and Outreach for Engineering and Advanced Manufacturing.

Education Background

- Currently pressuring Master's degree at Appalachian State University in Instructional Technology Specialist/ Education/Technology Facilitator.
- 1999 – 2001 North Carolina A & T Graduate Program in Technology Education
- 1994-1996 Appalachian State University Bachelor's Degree: Technology and Industrial Education Minor Psychology
- 1994 Gaston College – Associate's Degree

Professional Accreditation & Certifications

- **NCDCA - Career Development Facilitator**
 - CDC – Career Development Coordinator
- **Project Lead the Way (PLTW) (North Carolina & National Engineering Curriculum)**
 - *POE – Principles of Engineering* (Pratt School of Engineering, Duke University)
 - *IED – Introduction to Engineering Design* (Pratt School of Engineering, Duke University)
 - *CEA – Civil Engineering & Architecture* (Pratt School of Engineering, Duke University)
 - *CIM – Computer Intergraded Manufacturing* (UMBC school of Engineering, University of Maryland)
 - *EDD – Engineering Design and Development* (Pratt School of Engineering, Duke University)
 - *VEX– Robotics & Prototyping* – (Pratt School of Engineering, Duke University)
- **Technology Education:**

<ul style="list-style-type: none"> ○ Communication Systems ○ Transportation Systems ○ Manufacturing Systems ○ Structural Systems 	<ul style="list-style-type: none"> ○ Fundamentals of Technology ○ Principles of Technology I and II (applied physics)
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- **Trade & Industrial Education:**

<ul style="list-style-type: none"> ○ Drafting / AutoCAD ○ Construction Technology 	<ul style="list-style-type: none"> ○ Advanced Manufacturing ○ Metal Fabrication/Machine Shop ○ Computer Technology
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