

CAREERS IN ACTION

ADULT, CAREER AND TECHNICAL EDUCATION SCHOOL DISTRICT OF MANATEE COUNTY

**Students:
Is engineering in
your future?**

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Action Packed, Hands-On Interaction

Making a difference comes easy to veteran educator Mr. Hollis Bostic. As Johnson Middle School's (JMS) Technology Education teacher, Mr. Bostic makes every moment count as he works with 140 students on a daily basis.

"Every day is an opportunity to make a difference with the students," Mr. Bostic stated. "I find that interaction is key. At the middle school level you can still leave an impression on your students. By using humor and positive role modeling in my classroom, I encourage independence and exemplify character and leadership development education for my students."

Mr. Bostic's technology classes are action packed and hands-on. Students are currently working on a bridge-building assignment where they are using science, technology, engineering, and mathematical skills—along with toothpicks!

JMS students have the opportunity to join the Technology Student Association (TSA), a career and technology student organization known for its outstanding opportunities and achievements. As TSA chapter advisors, Mr. Bostic and fellow JMS teacher Mrs. Suzanne Jarrell foster personal growth, leadership, and career knowledge in technology, innovation, design, and engineering.

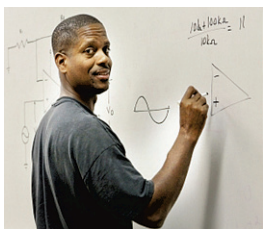
Eighth grader Josh Karg is an avid fan of technology and TSA. Last year he served as reporter for the JMS TSA chapter team and this year he was elected president. "The best part of my day is my engineering class and my science class," Josh shared. "I really enjoy those classes! In my Technology Education class I've learned technical drawing, laser engraving, and the CNC mill. Right now I'm learning new software called SolidWorks."

Josh and his TSA partner Thomas Witaker competed in the Robot Tobor challenge last year at the TSA District Competition. Together they earned a third place trophy.

"The coolest thing I've learned is figuring out how a robot works," Josh continued. "We had to start from scratch and figure out the wiring, the program controller, and frequency." Josh and Thomas went on to compete in TSA at the state level where they placed in the top ten. "I've learned from my mistakes and I have a good feeling about placing this year," Josh added.

In the classroom and in the competitor's arena, Hollis Bostic makes every day count as he leads by example and encourages his student to learn, dream, and achieve.

JOBS



Mathematics Occupations
Salary: \$36,000 – \$72,000
Workplace: technology industry, education
Hours: office hours



Structural Engineer
Salary: \$54,000 – \$81,300
Workplace: commercial construction
Hours: varies



Forensic Science Technician
Salary: \$30,400 – \$49,500
Workplace: law enforcement
Hours: varies



The Technology Student Association (TSA) is supported by educators, parents and business leaders who believe in the need for a technologically literate society. Members learn through exciting competitive events, leadership opportunities and more.

Technology Education teacher Hollis Bostic with TSA chapter president Josh Karg.



A showcase of student projects applying science, technology, engineering, and math.

PARENT CORNER

- ✓ Discussion starter: during everyday car rides, ask your kids to point out shapes and designs in buildings and bridges. Talk about the engineering behind the design, including what it might take to build a hurricane-proof building.
- ✓ Talk about careers with your child. Careers in science, technology, engineering, and math (STEM) can be found in nearly every industry. Make a game out of listing possible careers, starting with the letter A (astronaut) and ending with Z (zoologist).
- ✓ "The best part of my day is my engineering class and my science class," NMS student Josh Karg. For further information contact Mr. Hollis Bostic at 941-741-334, ext. 2072 or the guidance or career counselor at your school.

FCAT reading comprehension QUESTION

★ What does STEM stand for?

Answer: Science, Technology, Engineering, and Math

What's on the WEB?

www.stemcareer.com
www.thegatesnotes.com
www.floridatsa.com



EdVantage Strategic Objective #2: Each student will articulate personal goals, create plans to achieve those goals, and exhibit progress toward their attainment.



The Careers in Action Page is published every Wednesday in the Bradenton Herald. Provided by Newspapers in Education.

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