

METS in the Media

METS and its “AoE” in the Media have been featured in both written and television news articles by: WCCB “Wilson’s World”, The Economist Magazine, **MeckED Education News**, Rock Hill Harold, America’s Promise, **Washington Post**, **Techniques** - a national magazine which highlights best practices and news involving Career and Technical Education, NEWS 14, NBC, PBS, CNN, Charlotte Business Journal, **TEDx Charlotte**, Lake Wylie Pilot, **Charlotte Observer**, Alignment SW Charlotte, **Wall Street Journal**, The Daily Gazette (Schenectady, New York), DOE’s Office of Energy Efficiency & Renewable Energy (EERE), E4 (Energy 4) Carolinas WEB site, Nuclear Energy Industry (NEI) weekly news brief, and America’s Edge, a Washington, D.C.-based organization.

METS and its “AoE” on the big screen “**Training for New Manufacturing Careers**” This film highlights METS and features our partners at CPCC, Siemens Energy, and Apprenticeship 2000. The 2013 film was created for the Institute for Emerging Issues which was shown to 1,200 NC leaders a few months ago (including politicians like Governors McCrory and Hunt, U.S. Senators Burr and Hagan, and business leaders throughout NC). This year’s Institute stressed the importance of creating a state environment where advanced manufacturing can flourish (its #1 emerging issue), and challenged NC businesses to provide work-based learning so that type of environment can be fostered (expansion of the apprenticeship model was promoted at the Summit as the #1 strategic action).

METS and its “AoE” in corporation with our community partners are starting its 6th **Habitat for Humanity** house. This year’s house will be the first “green engineered” house to incorporate SOLAR in the design. Through the initiatives set forth by the AoE board and Habitat for Humanity the house will use a off the grid solar panel roof array to provide power for the house. This will be the first such project for Habitat in the area. CMS and Habitat Charlotte have joined forces in an emboldened effort to follow METS’s lead through a new project called “Senior Build Up”. The long range goal is for schools located in 5 CMS Zones to join forces and raise \$1M over 3 years so high school seniors in each zone can build a Habitat Home every year just like METS at Olympic

METS and its “AoE” partnership with **Apprenticeship 2000** provides our students a unique opportunity to learn, explore, intern, and work for some of the world’s leading “advanced manufacturing” companies including: **Ameritech** a designer and builder of molds for the Plastics Industry, **Blum** is a leading manufacturer of functional hardware, **Chiron** is a leading Machining company “Made by CHIRON” is the world’s first choice in all metal-working industries. **Daetwyler** is multi-national organization specializing in ink transfer technology, waterjet cutting equipment, and solar racking systems, **Pfaff** is a German based injection mold manufacturer services also include mold design, CNC programming, CNC milling, EDM, laser-welding, mold assembly and mold testing, **SARSTEDT** develops manufactures and sells equipment and consumables in the field of medicine and research., **Siemens** Energy Sector is the world’s leading supplier of power generation, transmission and distribution equipment, and **Timken** world leader in friction management products.

These Facts about

Olympic Community of Schools ...

- 4 of our 5 Small Schools have made Newsweek Magazine’s list of **Best High Schools in America** (Top 6%)
- Proficiency scores for students taking EOC tests have risen by an incredible **65%**
- 4 of the top 7 CMS high schools in terms of “Academic Growth” are at Olympic
- All 5 Olympic schools are ranked higher than Myers Park or South Meck in terms of academic growth -- **Children improve & grow more academically at Olympic**
- 3 Olympic High schools are ranked higher than Myers Park and South Meck in terms of academic proficiency (mastery scores on End Of Course tests)
- Over 200 business & faith partners have volunteered 16,000 hours and donated over \$5.0 M to support project-based & experiential learning at Olympic small schools – **People in the community are invested in the success of small schools**
- Microsoft has distinguished Olympic as a national **leader in innovation** & 21st century teaching and learning – of the 5 high schools recognized in America, 2 were at Olympic. When Microsoft chose the nation’s 6 most innovative high school projects in America that **help students learn 21st century skills** – 3 were created and are taught at Olympic

WHY CHOOSE METS & the AoE?

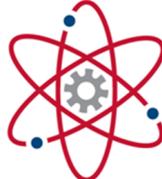
The School of

Math
Engineering
Technology &
Science



The Premier “STEM” School on the campus of Olympic Community of Schools



 **AoE²**
Academy of Engineering – (Energy)
School of **M**ath, **E**ngineering, **T**echnology, & **S**cience

For more information on the AoE²
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<http://pltw-mets.cmswiki.wikispaces.net/>

METS and its “**AoE**” **Academy of Engineering** program is one of the best, if not the **BEST** established and productive programs within CMS in preparing students with **21st Century Skills** and **Career and College Readiness** by basing our programs on the **German Education Model** and **Best Business Practices** we have produced a high quality product; **“The Student”**.

DID YOU KNOW

METS was the first true “**STEM**” Science, Technology, Engineering & Math school within CMS. “**STEM**” spelled backward **equals “METS”** that’s how we got our name.

METS is the top chosen school among students and parents of entering freshmen. **METS** has increased its student population by **43%**.

A six year review of data reveals that students who chose **METS** and our proven academic and career pathways can expect a **SAT** average gain of **14 percent** when compared to their cohorts at Olympic Community of Schools.

METS students consistently outperform their cohorts on **NC End-of-Course test**.

METS has the highest percentage of students performing at or above grade level, Graduation Rate, and Attendance within the Olympic Community of Schools.

METS averaged **\$20200 in Scholarships for each graduating senior**, outperforming South Meck at \$15,000 and Ardrey Kell at \$18,000 and **METS** is ranked third place overall behind Myers Park and Providence. The National Merit Scholarship Corporation has named their 2014 semifinalists. Charlotte-Mecklenburg Schools is represented by 38 students at nine high schools. **METS @ Olympic** is one of these 9 High Schools for the 2nd consecutive year

METS and its “**AoE**” **Academy of Engineering** program has an outstanding advisory board made up of local, Global and Fortune 500 companies such as: **Siemens Energy, Livingston & Heaven, Bosch Rexroth, Genesis Technology Group, Duke Power, Coca-Cola, Disney, Piedmont Natural Gas, Areva, Arrowood Business Association and Central Piedmont Community College.**

METS and its “**AoE**” have placed more students into a variety of “**advanced manufacturing**” paid internships and apprenticeships than any other school within CMS and the thirteen surrounding school systems.

METS and its “**AoE**” uses the elite “**PLTW**” **Project Lead The Way** engineering curriculum which has been nationally recognized as one of the high-quality STEM programs in the United States.

METS and its “**AoE**” was the first CMS school and the second in the state to become a fully **PLTW** certified school which allows students the opportunity to receive college-level recognition such as **college credit, scholarships, and admissions preference.**

METS and its “**AoE**” offers students more **PLTW** classes than any other CMS school. Course offerings include: “**IED**” Introduction to Engineering Design, “**POE**” Principles of Engineering, “**DE**” Digital Electronics, “**CIM**” Computer Integrated Manufacturing, “**CEA**” Civil Engineering and Architecture, and “**EDD**” Engineering Design and Development.

METS and its “**AoE**” was the first school in CMS to start the “**FIRST Robotics**” and “**Vex Robotics**” programs. **METS** holds an annual district wide VEX competition to prepare schools to advance to regional, state, and national competitions.

METS and its “**AoE**” places the highest percentage of students in the **Apprenticeship 2000** program. Apprenticeship 2000 is a 4-year technical training partnership in the Charlotte, NC region designed to develop people for such a workforce. We recruit juniors and seniors from local high schools. Students that qualify for Apprenticeship 2000 train for exciting career opportunities! **Paid Scholarship, and Get paid to go to school.** Some of the advantages include: AAS degree in **Mechatronics Engineering Technology**, NCDOL Apprenticeship Certification, Earn a min. of \$34,000/year at completion, Benefits, Guaranteed Job after Graduation!



METS and its “**AoE**” successful program of study have been at the center of research for such organization as: **US Congressional subcommittee on education, US Department of Education, fhi360** “think tank” on education reform Washington DC, America’s Edge, a Washington, D.C.-based organization, National Institute for Work and Learning, National Academy Foundation, Project Lead the Way, the National Action Council for Minorities, **German American Council**, and the German Embassy designed to promote the best practice of German Skills Training.

METS and its “**AoE**” along with some of its partners created the concept of **STEMer-sion** -- 2 Week STEM Summer Camp for Teachers a 2 week Summer Camp for teachers so educators could visit prestigious Charlotte firms and observe first-hand how STEM comes to life in the real world. Most importantly, these firms want to help teachers create authentic **STEM** lesson plans/projects and understand the variety of career pathways that lead to success in the 21st century.

METS and its “**AoE**” has played a significant role in receiving these prestigious business community Awards in **Advanced Manufacturing** – **Charlotte Business Journal’s.**