

► **Math, Engineering, Technology and Science at Olympic High School**



A Message from the Principal

To our School of Math, Engineering, Technology and Science families:

This is the first School Progress Report for the School of Math, Engineering, Technology and Science (M.E.T.S) at Olympic, part of our effort to keep families fully informed about our students' academic progress, our staff and our school environment.

As you will see, M.E.T.S. had a composite proficiency rate of 64.4 percent. That is good: More than half of our students demonstrated proficiency overall. We were also one of three CMS high schools to make Adequate Yearly Progress, the standard set for schools by the No Child Left Behind Act.

You will note how many of our students were proficient in the five subjects where End-of-Course tests are given. Those scores show some declines this year, particularly in U.S. history. While we saw a dramatic gain in our overall composite, I can assure you that the staff and I are not satisfied.

So what are we doing to improve our students' academic progress? We are using differentiated instruction, a flexible teaching approach that adapts the curriculum to individual learning needs. We are also using data to help identify if, and how much, a student is learning.

Our faculty is strong, with many of our teachers highly qualified and experienced. This year, we will be introducing an initiative to create more time for our teachers to collaborate and focus on improving instruction. This will help academic achievement continue to rise.

I am confident we will continue to see improvement in student achievement because M.E.T.S. has a supportive, orderly environment in which students and teachers treat each other with respect. Our

(Principal's message continued on back.)

KEY FACTS

Principal

Ayinde' Rudolph

email: ayinde.rudolph@cms.k12.nc.us

Grades

9 - 12

School Population

- 379 Students
- 31 Teachers
- 2 Assistant Principals
- 1 Counselor
- 7 Support Staff

Student Demographics

- 23.2% African American
- 47.0% White
- 15.6% Hispanic
- 14.2% Other
- 34.3% of students qualify for free or reduced-price lunch

Learning Community

West

Area Superintendent: Dr. Elva Cooper
1801 Cross Beam Drive
Suite E

Charlotte, NC 28217

980-343-1463

email: elva.cooper@cms.k12.nc.us

Data effective as of spring 2008.

Math, Engineering, Technology and Science at Olympic High School

4301 Sandy Porter Road, Suite B

Charlotte, NC 28273

980-343-1101

<http://pages.cms.k12.nc.us/metsohs>



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PROGRESS REPORT

CMS 2010 Strategic Plan Goals	Key Performance Measurements	CMS 2010 Goal	School Result 2007 - 2008
High Academic Achievement	Students performing at or above standard on EOC composite tests	80%	62.0%
	Students performing at or above standard in English 1 ^{1,2}	—	83.0%
	Students performing at or above standard in Algebra 1 ^{1,2}	—	71.2%
	Students performing at or above standard in Civics & Economics ^{1,2}	—	65.6%
	Students performing at or above standard in U.S. History ^{1,2}	—	40.2%
	Students performing at or above standard in Biology ^{1,2}	—	72.3%
	Disparity between racial/ethnic groups in English 1 ¹	—	16.1%
	Disparity between racial/ethnic groups in Algebra 1 ¹	—	36.6%
	Disparity between racial/ethnic groups in Civics & Economics ¹	—	42.5%
	Disparity between racial/ethnic groups in U.S. History ¹	—	18.1%
	Disparity between racial/ethnic groups in Biology ¹	—	28.7%
	Disparity between socioeconomic groups in English 1 ¹	—	6.6%
	Disparity between socioeconomic groups in Algebra 1 ¹	—	7.9%
	Disparity between socioeconomic groups in Civics & Economics ¹	—	13.4%
	Disparity between socioeconomic groups in U.S. History ¹	—	12.9%
Disparity between socioeconomic groups in Biology ¹	—	13.3%	
Effective Educators	Teachers deemed “highly qualified” having appropriate educational backgrounds and state certification(s) for the grade levels and subjects they are teaching	99%	94%
	National Board-certified teachers	9%	7%
	Teachers with graduate degrees	38%	23%
	Teachers’ average years of experience	13.4	10.6
Adequate Resources & Facilities	Student/Computer Ratio	5:1	4:1
Safe & Orderly Schools	Passed the CMS “safe school audit”	YES	YES
	Parents perceive the school as safe ³	70%	53.1%
	Students perceive the school as safe ⁴	80%	48.0%
	Teachers perceive the school as safe ^{1,5}	—	83.3%
	Number of incidents resulting in in-school suspensions ^{1,6}	—	0
	Number of incidents resulting in out-of-school suspensions ^{1,6}	—	41.4
Freedom & Flexibility with Accountability	Principal has been granted additional freedom and flexibility ¹	—	NO
World-Class Service	Parents perceive the school as responsive ³	80%	72.2%
Strong Parent & Community Connections	Parents that give the school either an A or B grade ^{1,3}	—	50.0%
	Number of volunteer hours ⁷	Increase by 25% district-wide	0
	Number of business and community partnerships	Increase by 25% district-wide	0

¹Not a Strategic Plan goal
²Required for graduation

³Based on completed parent surveys
⁴Based on completed student surveys

⁵Based on completed teacher surveys
⁶Incidents per 100 students

⁷Per 100 students

CMS Accountability Measures

In this section, we are highlighting several key performance indicators for our school and its students.

► Adequate Yearly Progress (AYP)

Our school **DID** make AYP (*7 of 7 goals met*)

The federal No Child Left Behind Act requires that every school make Adequate Yearly Progress (AYP). State test results are used to set AYP proficiency targets for every grade. Targets are set for the school as a whole, as well as for nine separate subgroups. The subgroups are: white, black, Hispanic, Native American, Asian, multiracial, economically disadvantaged students, students with limited English proficiency and students with disabilities. A school's attendance and graduation rates are also measured for AYP.

The subgroup measurements are intended to prevent an overall score from masking poor results by one or more subgroups. Because the number of subgroups can vary depending on a school's diversity, the number of targets varies also. Some schools may have only a few targets to meet; others may have as many as 41.

AYP is an all-or-nothing standard that says every target must be met. No Child Left Behind also requires that every student be proficient by the 2013-2014 school year.

For a more complete overview of AYP, visit

www.dpi.state.nc.us/nclb/abcayp/overview/ayp

For details of AYP results for our school and its student groups, visit <http://ayp.ncpublicschools.org>

► ABC Designation

Our school's designation: **No Recognition**
(*DID NOT meet growth expectations*)

Proficiency: 64.4%

The North Carolina ABCs program was introduced more than a decade ago to better target school improvement efforts. Two basic measures determine a school's designation: the Average Growth of students (see below); and the Performance Composite, which measures how well students performed against a set standard of proficiency.

Schools are given one of seven designations (in descending order): Honor School of Excellence; School of Excellence; School of Distinction; School of Progress; No Recognition; Priority School; Low Performing.

For more information about ABCs, visit

<http://abcs.ncpublicschools.org/abcs>

► Average Growth

State Standard: 80% **Our School: 78.4%**

Each year, the state sets individual growth expectations for each student. A student is expected to perform as well, or better, on the End-of-Course (EOC) assessment for the current year as he or she did, on average, during the previous two years. The Average Growth is calculated by comparing *actual* performance versus *expected* performance and then averaging the difference across all students and all subjects. The score above reflects the combined growth rate of all of our students. A school classified as making expected growth would have a score of 80% or higher.

► Students Making or Exceeding a Year's Worth of Growth

State Standard: 60% **Our School: 48.0%**

This measurement assesses whether students have learned as much as they are expected to learn in one year. Expectations are set for each student based on individual performance for the previous two years. Across the state, about half of students typically meet or exceed their growth expectation. High growth is defined as a score of 60% or higher and having met expected growth.

► Adjusted Pass Rate on Advanced Placement (AP) Tests

Expectation: 100% **Our School: 72.0%**

AP tests are administered by the College Board and give students the opportunity to earn college credit. Some high school students are likely to pass AP tests, based on their performance in the Preliminary SAT (PSAT).

This measurement reflects the cumulative AP test success rate among those seniors expected to pass. It is important to note that all students are encouraged to take AP tests, but in order not to penalize schools for having high expectations for all students, all scores are not included in this measurement.

► Participation Rate in Weighted Courses

Expectation: 100% **Our School: 100%**

Students with the skills to be successful are defined as those on grade level when entering high school. We offer weighted courses to those students as a means of challenging them academically and encouraging in-depth study within a single subject. The proportion of students who started high school on grade level, and who take three or more weighted courses by the end of senior year, measures how much a school encourages students to push themselves.

► Participation Rate in Advanced Placement (AP) or International Baccalaureate (IB) Courses

Expectation: 100% **Our School: 100%**

AP and IB courses are the most challenging programs available at high school. The International Baccalaureate is a global educational program recognized for its rigor. Some high school students are likely to be successful in AP courses, based on their performance in the Preliminary SAT (PSAT). This measures how many of these seniors have actually enrolled in AP and IB courses.

► Graduation Rate for Students who Enter 9th Grade

State Comparison: 70.2% **Our School: 84.6%**

Students completing kindergarten through 12th grade is a goal for everyone involved in education. We compare the number of students who start ninth grade with those who earn a diploma within four years, taking into account that some students transfer in from other schools and some transfer out of our school.

► SAT Rates and Results

Percentage of seniors taking the SAT:	Nation	45%
	State	63%
	Our School	NA

Average SAT Score:	Nation	1511
	State	1489
	Our School	NA

The SAT is a nationally used assessment of high-level math, reading and writing skills. It is used to assess college readiness, and the results are calculated by the state. We can compare our SAT scores to the state and national averages. (*Data provided by the North Carolina Department of Public Instruction.*)

► Positive Responses to Student Surveys

Our School: 68.3%

Student feedback is a subjective, but essential, component of the measure of our school's performance. We want all of our students to have a caring, supportive environment at school. This is a measure of the positive reaction from our students covering the areas of school safety, engagement and encouragement.

For more information on our school's performance, visit <http://pmd.cms.k12.nc.us>

CHARLOTTE-MECKLENBURG SCHOOLS

REACH FURTHER. **Global competitiveness starts here.**

Math, Engineering, Technology and Science at Olympic High School

(Principal's message continued.)

supportive culture was even noted recently during the School Quality Review (SQR).

Building on that success, approximately 30 seniors embarked this year on finding ways to support our freshmen. This initiative will enhance what we are doing in the classroom.

Our students have a plethora of academic options, such as Advanced Placement and Career and Technical Education courses, with 14 of our courses eligible for college credit. To complement the rigor in our classes, we will continue our tradition of service/expeditionary learning initiatives. Our students, parents and staff have built a Habitat for Humanity house, created a living Amazonian rainforest/N.C. forest terrarium, built a 10-foot living eco-system and entered an international robotics competition. Our students have tutored students at Kennedy Middle School, and some of our upper-level English classes created books

and toys for Afghani children. To add to this rich tradition, we also asked our 10th-grade students to get involved civically by learning about the election process through volunteerism. All of these initiatives are testament to the idea that learning can take place anywhere and everywhere.

At M.E.T.S., it is our mission to assure that every child is learning at high levels. So we will maintain our commitment to student learning, teaching and student achievement. That is our promise to you and your child. Thank you for your continued support.

Sincerely,
Ayinde' Rudolph
Principal

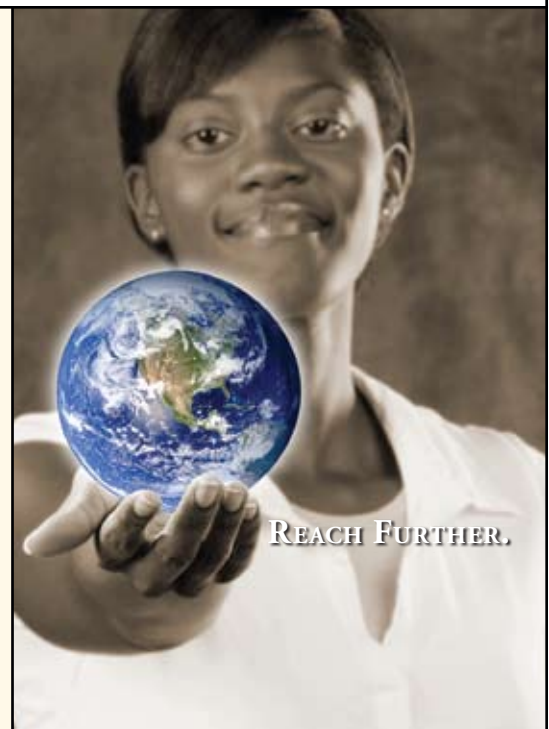
What is the School Progress Report?

In 2006, we introduced the *Charlotte-Mecklenburg Schools Strategic Plan 2010* outlining our vision and strategy to educate our students to compete locally, nationally and internationally.

The plan outlines seven areas of concentration: high academic achievement; effective educators; adequate resources and facilities; safe and orderly schools; freedom and flexibility with accountability; world-class service, and strong parent and community connections.

In this report, you will notice how our school performed in the 2007-2008 school year compared to the stated 2010 goals. On page 3, you will also find an explanation of federal and state accountability measures with a specific emphasis on growth.

As educators and parents, we have a common goal of preparing our children to compete in an ever-growing global community. This goal requires constant dialogue between school and parents, so please feel free to contact the principal or any staff member at our school with your questions, concerns or suggestions.



REACH FURTHER.

