

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



### **A Message from the Area Superintendent**

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

This is our annual 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 76.7 percent. That is good: More than three-quarters of our students demonstrated proficiency overall. We also made Adequate Yearly Progress (AYP), the standard set for schools by the No Child Left Behind Act. This means we met all of our AYP targets. You will also note that there were significant increases in many of the End-of-Course test results.

While our success is definitely praiseworthy, I can assure you that it is not enough. It is our goal to become the best school in CMS. We want to assure that every student achieves at high levels.

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. These strategies, coupled with our continued focus on teacher collaboration, should be enough to help M.E.T.S become a School of Distinction, a designation awarded under the North Carolina ABCs program.

Our faculty is strong, with many of our teachers highly qualified and experienced. This year, we will be continuing our initiative to create more time for our teachers to collaborate and focus on improving

*(Area Superintendent's message continued on back)*

### **KEY FACTS**

*Data effective as of spring 2009*

#### **Grades**

9 - 12

#### **School Population**

- 386 Students
- 32 Teachers
- 1 Assistant Principal
- 1 Counselor
- 7 Support Staff

#### **Student Demographics**

- 25.9% African American
- 48.2% White
- 13.5% Hispanic
- 9.1% Asian
- 3.4% Other
- 32.1% 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](mailto:elva.cooper@cms.k12.nc.us)

**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>



# Math, Engineering, Technology and Science at Olympic High School

## PROGRESS REPORT

CMS 2010 Strategic Plan Goals	Key Performance Measures	CMS 2010 Goal	CMS Result 2008 - 2009	School Result 2008 - 2009
<b>High Academic Achievement</b>  <i>Disparity between socioeconomic groups is shown as a positive percentage when non-economically disadvantaged students outscore economically disadvantaged students; a negative percentage indicates the reverse.</i>  <i>Data effective as of 7/14/09</i>	Students performing at or above standard on EOC composite tests	80%	76%	76.7%
	Students performing at or above standard in English 1 <sup>1,2</sup>	—	76%	82.4%
	Students performing at or above standard in Algebra 1 <sup>1,2</sup>	—	79%	85.2%
	Students performing at or above standard in Civics & Economics <sup>1,2</sup>	—	77%	75.2%
	Students performing at or above standard in U.S. History <sup>1,2</sup>	—	79%	93.0%
	Students performing at or above standard in Biology <sup>1,2</sup>	—	78%	75.0%
	Disparity between racial/ethnic groups in English 1 <sup>1</sup>	—	25%	22.0%
	Disparity between racial/ethnic groups in Algebra 1 <sup>1</sup>	—	24%	20.4%
	Disparity between racial/ethnic groups in Civics & Economics <sup>1</sup>	—	25%	40.5%
	Disparity between racial/ethnic groups in U.S. History <sup>1</sup>	—	24%	16.7%
	Disparity between racial/ethnic groups in Biology <sup>1</sup>	—	24%	30.9%
	Disparity between socioeconomic groups in English 1 <sup>1</sup>	—	21%	23.8%
	Disparity between socioeconomic groups in Algebra 1 <sup>1</sup>	—	16%	19.5%
	Disparity between socioeconomic groups in Civics & Economics <sup>1</sup>	—	20%	23.5%
	Disparity between socioeconomic groups in U.S. History <sup>1</sup>	—	19%	7.8%
	Disparity between socioeconomic groups in Biology <sup>1</sup>	—	17%	7.7%
<b>Effective Educators</b>	Teachers deemed highly qualified, having appropriate educational backgrounds and state certification(s) for the grade levels and subjects they are teaching	99%	96%	100%
	National Board-certified teachers	10%	7%	6%
	Teachers with graduate degrees	46%	35%	27%
	Teachers' average years of experience	14.9	11.2	11.6
<b>Adequate Resources &amp; Facilities</b>	Student/Computer Ratio	5:1	3:1	3:1
<b>Safe &amp; Orderly Schools</b>	Passed the CMS safe school audit	YES	YES	YES
	Parents who indicate this is a safe school <sup>3</sup>	70%	96%	Insufficient Response
	Students who indicate this is a safe school <sup>3</sup>	80%	85%	79.6%
	Teachers who indicate this is a safe school <sup>1,3</sup>	—	89%	98.4%
	Number of incidents resulting in in-school suspensions <sup>1,4</sup>	—	—	0.3
	Number of incidents resulting in out-of-school suspensions <sup>1,4</sup>	—	—	23.6
<b>Freedom &amp; Flexibility with Accountability</b>	Principal has been granted additional freedom and flexibility <sup>1</sup>	—	—	NO
<b>World-Class Service</b>	Parents who indicate satisfaction with the responsiveness of staff at this school <sup>3</sup>	80%	88%	Insufficient Response
<b>Strong Parent &amp; Community Connections</b>	Parents who indicate satisfaction overall with this school <sup>1,3</sup>	—	86%	Insufficient Response
	Number of volunteer hours <sup>5</sup>	Increase by 25% district-wide	—	0
	Number of business and community partnerships	Increase by 25% district-wide	—	0

<sup>1</sup>Not a CMS 2010 goal

<sup>2</sup>Required for graduation

<sup>3</sup>Based on responses to 2008-09 survey; multiple survey items may have been used to create a composite

<sup>4</sup>Incidents per 100 students

<sup>5</sup>Per 100 students

# CMS Accountability Measures

The learning of students in public education is measured in multiple ways. There are assessments given at regular intervals by CMS—tests that we use to measure how students are learning as the school year progresses. Other tests are required by the state and given once or twice a year, such as End-of-Course and End-of-Grade tests. Some of the state test results are also used to calculate district progress on the federal standard of Adequate Yearly Progress for each student. This page provides brief explanations of some of the measures and tests used in CMS.

## ► Adequate Yearly Progress (AYP)

Our school **DID** make AYP (*9 of 9 goals met*)

The federal No Child Left Behind Act requires that every school make Adequate Yearly Progress (AYP). AYP is an all-or-nothing standard: Every target must be met.

State test results are used to set AYP targets. There are separate targets for the school as a whole and for nine subgroups of students: white, black, Hispanic, Native American, Asian, multiracial, economically disadvantaged students, students with limited English proficiency and students with disabilities. Subgroups of students are measured separately so that an overall score for a class or a school does not mask poor results within a subgroup.

Some schools are more diverse than others, so the number of subgroups varies by school. Therefore, the number of AYP targets varies by school, too. Some schools may have only a few targets to meet; others may have the maximum, which is 41. School attendance and graduation rates are also measured for AYP.

For a more complete overview of AYP, visit [www.dpi.state.nc.us/nclb/abcayp/overview/ayp](http://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: **School of Progress**  
(*DID meet high growth expectations*) **Proficiency: 77.5%**

The North Carolina ABCs program was introduced more than a decade ago to help schools improve. It uses two basic measures to assess a school's performance: the Average Growth of students (below); and the Performance Composite, which measures how well students performed against a state-set standard of academic achievement.

Schools are given one of seven designations. In descending order, they are: Honor School of Excellence, School of Excellence, School of Distinction, School of Progress, No Recognition, Priority School, and Low Performing.

For more information about ABCs, visit <http://abcs.ncpublicschools.org/abcs>

## ► Average Growth

State Standard: 80% **Our School: 83.5%**

Did our students meet the state's expectation for academic growth? Each student is expected to perform as well (or better) on the End-of-Grade assessment as he or she did, on average, during the previous two years. Average Growth for a school is calculated by comparing actual performance to 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. To make expected growth, a school must have a score of 80% or higher.

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

State Standard: 60% **Our School: 61.3%**

Did our students learn as much as they were expected to learn this year? As described above, the state sets expectations for each student based on individual performance for the previous two years. Across the state, about half of students typically meet or exceed this growth expectation. To earn the high-growth designation, a school must meet the average-growth standard described above and also have more than 60% of its students make expected growth.

## ► Adjusted Pass Rate on Advanced Placement (AP) Tests

Expectation: 100% **Our School: 50.0%**

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

This measurement reflects the cumulative AP test success rate among those seniors predicted 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 in high school. The International Baccalaureate is a global educational program recognized for its rigor. Some high school students are predicted to be successful in AP courses, based on their performance on the Preliminary SAT (PSAT). This measures how many of these identified seniors have actually enrolled in AP and IB courses.

## ► Graduation Rate for Students who Enter Ninth Grade

State Comparison: 70.2% **Our School: 90.0%**

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	46%
	State	63%
	<b>Our School</b>	<b>40.0%</b>
Average SAT Score:	Nation	1509
	State	1486
	<b>Our School</b>	<b>1489</b>

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. (*Data provided by the North Carolina Department of Public Instruction.*)

## ► Positive Responses to Multiple Student Survey Items

<b>Our School's Results:</b>	<b>Safety</b>	<b>80%</b>
	<b>Encouragement</b>	<b>93%</b>
	<b>Engagement</b>	<b>85%</b>

Do our students perceive this school as safe and welcoming? This measure is subjective—it is taken from a student survey.

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

*(Area Superintendent's message continued)*

instruction. As we saw from last year's double-digit composite increase, allowing teachers to have time to collaborate has a positive impact on academic achievement.

We will continue to offer our students 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 carry on 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 ecosystem and entered an international robotics competition. Additionally, our students have tutored students at Kennedy Middle School, and some of our upper-level English classes created books and toys for Afghani children. Lastly, we continue to

ask 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.

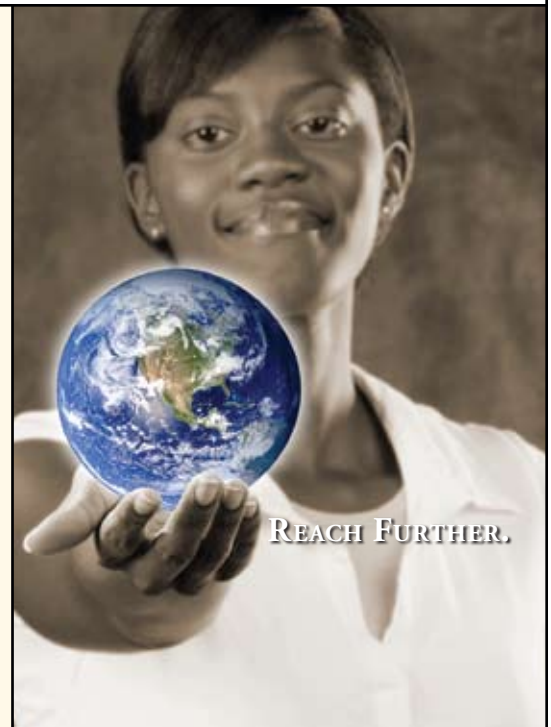
Sincerely,  
Dr. Elva Cooper  
*Area Superintendent*

## 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. This report summarizes how our school performed in the 2008-09 school year in making progress on these seven goals. On page 3, you will also find an explanation of federal and state accountability measures.

Educators and parents have a common goal of preparing our children to compete in an ever-growing global community. Working together requires frequent dialogue between school and parents, so please feel free to contact the principal or any staff member at our school.



REACH FURTHER.

