Performance Goals Report:
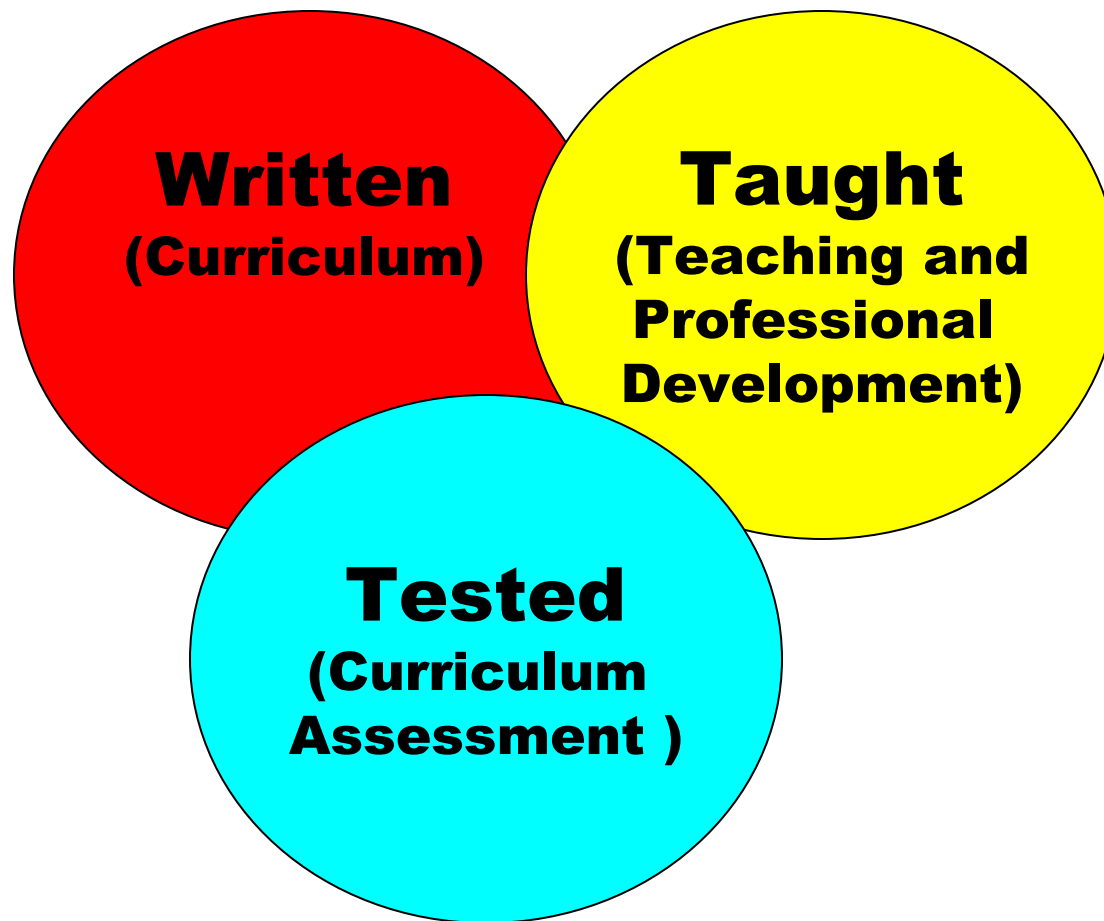## Curriculum and Instruction

Presentation to the

Board of Education

March 24, 2009

QUALITY CURRICULUM

Written
(Curriculum)

Taught
(Teaching and Professional Development)

Tested
(Curriculum Assessment)

Quality Management System (QMS)

1. <u>Curriculum Development Process</u> for the Written Curriculum.

2. <u>Professional Development Process</u> for the Taught Curriculum.

3. <u>Curriculum Assessment/ Evaluation Process</u> for the Tested Curriculum.

Quality Management System

- **ISO processes have been drafted for comprehensive and consistent approaches for development, implementation, and evaluation of each curriculum and all curriculum assessments that measure student learning.**

Curriculum Development Process

- Identify and prioritize needs for new/revised curriculum.

- Create Phase Planning document.

- Provide professional development (PD) for curriculum writers.

- Create Pilot Program.

- Input pilot curriculum into AIM.

- Measure effectiveness of Pilot Program.

- Make necessary modifications.

- Create plan for district-wide implementation.

- Provide PD for implementation.

- Measure effectiveness of program.

Articulated Instruction Module

- AIM is an alignment and articulation tool that documents and communicates academic progress for students, parents, and educators. AIM provides reports that align to Voluntary State Curriculum and other standards to affirm the relationship between, written, taught and assessed curriculum throughout the school system. AIM includes a component for reporting of student academic progress in specific content, knowledge, and skill areas.

Curriculum Development Process

- **Standards/ Requirements.**

    What students must know and be able to do.
    How to teach diverse learners.
    How to measure learning.
    What to do when students haven't learned.

- **Input from users.**

- **Data analysis.**

- **Scope and sequence of instruction with pacing guide.**

Professional Development Process

- Identify PD needs, goals, and target audiences.

- Create yearlong PD plan.

- Post PD activities for access.

- Implement PD activity.

- Provide ongoing support.

- Evaluate and Review effectiveness of PD activities.

Professional Development Process

- Ongoing professional learning opportunities.

- Focus on effective implementation of curricula.

- Focus on use of data to inform and adjust instruction so all students achieve at higher levels.

Curriculum Assessment/ Evaluation Process

- Establish short-term (annual) and long-term (2-5 year) review process.

- Gather data related to original requirements and evaluation criteria.

- Review data to determine effectiveness of curriculum.

- Report results and initiate action as needed.

- Analyze trends in data over time.

- Take required action to correct components that do not meet requirements.

Curriculum Assessment/ Evaluation Process

- Correspondence between curriculum and assessment items.

- Effective design of assessment items.

- Reliability and validity of assessments.

Curriculum and Instruction Updates SY 2008-2009

- **Planning Protocols.**
  - **Services to Schools report (9/08).**
  - **Semi-annual reports of phase planning completed or changes made to better meet customer needs.**
  - **Annual summative report.**
  - **Update/revision of Planning Protocols for SY 2009-2010 in process.**
- **Supports for Schools (11/08).**
- **Development of phased planning for curriculum approval (11/08 - 2/09).**
- **Draft of Curriculum Development Handbook.**
- **AIM input completed (6/09).**

Curriculum and Instruction Updates SY 2008-2009

- **Approval of Curricula by the Board of Education (2/09).**
  - Mathematics 1, 2, 3, 3GT, 4, 4GT, 5.
  - College Readiness Mathematics.
  - Sets, Functions, and Probability.
  - Chinese 1 (for MS and HS).
  - French 1 (for MS and HS).
  - Spanish 1 (for MS and HS).

Curriculum and Instruction Updates SY 2008-2009

Review of Pilot curricula (11/08)

- Mathematics 6.
- College Algebra.
- Trigonometry with Analytic Geometry.
- World Cultures 6.
- World Cultures 6 G/T.
- Spanish II.
- French II.
- Foundations of Music Technology.

- Earth/Space Science.
- Physics.
- G/T Biology.
- Science Grade 8 G/T.
- Grade 5 STEM units.
  - Wee Beasties.
  - Geology Rocks.
  - Greening of the Schoolyard.

Curriculum and Instruction Updates SY 2008-2009

- Staff Support to the Schools (12/08).

- Systemwide AVID Program and visit to Milford Mill Academy (1/09).

- Workshops on Strategies for Rigorous Instruction, AP enrollment, and SAT Support.

- Partnership with Lockheed Martin, Johns Hopkins University, and Northrup Grumman on the Virtual Learning Environment.

- Magnet Program Updates (3/09).

Curriculum and Instruction Updates SY 2008-2009

- AIM input (standards, indicators, activities, and curricula) (6/09).

- Guide to High Quality Professional Development Guide (11/08).
  - Yearlong professional development plan.
  - Electronic assessment of PD.

- Professional Development Process (ISO) (3/09).

Curriculum and Instruction Updates SY 2008-2009

- **Supports for Targeted Schools (11/08).**

- **Update on the Class of 2009 (3/09).**

- **Revision of 4-Year Plan for Course Advisement.**

- **Workgroups on Attendance and Graduation/Dropout.**

- **Positive Behavior Intervention System (PBIS) in 72 schools – 22 exemplar schools by MSDE.**

Curriculum and Instruction Updates SY 2008-2009

Future Curriculum Committee Agenda Items

- BCPS Instructional Technology Plan.
- Recommended Curricula for SY 2009-2010.
- Pilot Curricula for SY 2009-2010.
- Class of 2009 Updates.
- Update on AIM.