



2010-2011 Local School Plan For Improvement

LSPI Objectives

December 2010

MATH SCIENCE & TECH SCHOOL

Jeff A Mathews, *Principal*

Dr. Gale Hey, *Area Superintendent*

Accountability and flexibility are hallmarks of Gwinnett County Public Schools' success. Key to that success is ensuring that each school community understands the progress being made by its schools, as well as what plans will drive improvement. Each school creates a collaborative Local School Plan for Improvement (LSPI), with targeted goals based on student achievement results. These goals are dynamic, like our schools, and are updated to reflect changes that occur in schools. Data is used to determine areas needing improvement and to identify specific, measurable, annual objectives. Schools then determine how to use research-based strategies to achieve these goals, using flexibility as needed. The LSPI development process involves teachers, parents, and community members, so the entire school community has the opportunity to be involved in conversations about school improvement. Please contact the local school principal for more information about the school's plan and progress.

2010-2011 Long Term Goals and Objectives

Goal: Data will be collected from GSMST students on an annual basis as they transition into post-secondary enrollment to provide feedback for GSMST faculty and staff which will be used to improve instruction and organization.

Objective: The establishment of a graduate follow-up study for GSMST students will progress to incorporate annual responses used to improve instruction and organization.

Goal: GSMST students will consistently lead Gwinnett County High Schools in reaching exemplary graduation rates and college placement.

Objective: GSMST students will progress to graduation through meeting and/or exceeding performance expectations for AKS, course completion, and college entrance exams.

Objective: Assist GSMST students in developing strategies and skills to succeed in a high performance culture.

MATH SCIENCE & TECH SCHOOL

LSPI Continued

Jeff A Mathews, *Principal*

Dr. Gale Hey, *Area Superintendent*

2010-2011 Long Term Goals and Objectives

Goal: Selected mentorship placements with faculty or professional personnel within universities, laboratories, and industries will be sought and supervised by GSMST to provide students with opportunities extending beyond the classroom. These mentorship experiences will establish a partnership that will provide students at GSMST with greater opportunities for success toward postsecondary enrollment, college mentors, and credentials.

Objective: All GSMST students will participate in an official mentor/internship program prior to graduation.

MATH SCIENCE & TECH SCHOOL

LSPI Continued

Jeff A Mathews, *Principal*

Dr. Gale Hey, *Area Superintendent*

Schools Goals - MATH SCIENCE & TECH SCHOOL

Goal Title	Goal	Start School Year	End School Year
Improve Instruction and Organization Within GSMST Through the Use of a Graduate Follow-up Study.	Data will be collected from GSMST students on an annual basis as they transition into post-secondary enrollment to provide feedback for GSMST faculty and staff which will be used to improve instruction and organization.	2010-11	2014-15
Meet or Exceed Academic Performance Expectations for Success at a Postsecondary Level	GSMST students will consistently lead Gwinnett County High Schools in reaching exemplary graduation rates and college placement.	2010-11	2014-15
Provide Educational Opportunities For Students Within Community Workforce and Higher Education Settings	Selected mentorship placements with faculty or professional personnel within universities, laboratories, and industries will be sought and supervised by GSMST to provide students with opportunities extending beyond the classroom. These mentorship experiences will establish a partnership that will provide students at GSMST with greater opportunities for success toward postsecondary enrollment, college mentors, and credentials.	2010-11	2014-15

Annual Objective

GSMST students will progress to graduation through meeting and/or exceeding performance expectations for AKS, course completion, and college entrance exams.

Associated Goals

Goal: Meet or Exceed Academic Performance Expectations for Success at a Postsecondary Level

Implementation Design

MATH SCIENCE & TECH SCHOOL

LSPI Continued

Jeff A Mathews, *Principal*

Dr. Gale Hey, *Area Superintendent*

Adjust master schedule to include an increase in focused instructional time and course option availability.

Due to an A/B modified block overlay, we will add sophomore engineering applications as a required course while providing additional time in AP biology. We also plan to provide additional support in math including an AIA summer school course as a local option at GSMST as well as increasing the amount of instructional time in math to support increased student achievement in math.

SD: Provide teachers tools to deliver intervention and support

A more structured intervention environment will be created to help teachers improve academic performance for students. Additional support for our teachers to help current 9th graders transitioning from middle school will also be a priority, especially in the area of mathematics.

SD: Use technology effectively to facilitate instruction and student engagement

A variety of professional development opportunities will be provided for all faculty and staff using local and outside experts to ensure the effective use of technology within our new facility. Facilitation of instruction and student engagement will be areas of emphasis.

Increase enrollment for AP courses through adjustments in curriculum offerings.

GSMST will be offering additional AP classes in grades 10 - 12.

SD: Building strategies for successful AP instruction

Create professional learning community among AP instructors to discuss learning strategies enhanced by GSMST technology.