

Mathematics Instruction Action Plan

Moving West Genesee Graduates toward College and
Career Readiness

2012 -2013 Goals

- * Align K-12 curriculum with the Common Core Learning Standards
- * Professional Development for all teachers of mathematics
- * 6-8 Response to Intervention Plan that includes mathematics
- * Restructure 9-12 mathematics courses to increase rigor and expectations while simultaneously targeting gaps in algebraic skills
- * Complete an external audit of our 6-12 mathematics curriculum and instruction practices

Concerns – 9-12

- * WGHS Regents Diplomas with Advanced Designation stagnant (dependent on passing 3 math exams)
 - * Class of 2012: 53%
- * Race to the Top College and Career Readiness goal for all students achieving an 80 on a Math Regents
 - * June 2012: 36% CCR on Integrated Algebra

Subgroup performance on Algebra Regents

Students with Disabilities: 23 students

- * 65% passed
- * 5 students CCR: 22%

Economically Disadvantage: 57 students

- * 86% passed
- * 15 students CCR: 17%

SWD's **AND** Econ Dis: 14 students

- * 43% passed
- * 1 student CCR: 7%

Note: All other students' passing rate was 95% (178 / 188)

82 students CCR: 44%

Immediate Changes

- * Integrated Algebra
 - * Eliminate “Pass the Regents / Pass the Course”
 - * *33 students in June 2012*
 - * Repeat Course in Summer School or next school year
 - * Only students scoring CCR (80) may “test out”
 - * *4 students in June 2012*
- * Learning Center for Mathematics
 - * Algebraic skills-based lessons targeting specific gaps in abilities

2012 – 2013 CCR Enhancements

- * Eliminate Trigonometry bridge course from Course Catalog
- * Investigate 3-semester A2/Trig course
 - * limited enrollment
- * Clarify passing requirements for Geometry and A2/Trig in Course Catalog
- * Develop Math Topics curriculum that includes alignment to the OCC entrance examination

Data Driven Instruction

- * Administer Common Mid-Year assessment in each Core course
- * Develop Common Formative Assessments for each Core course
- * Continue to support teachers' incorporation of Study Island