


Wyandotte Public Schools


Mathematics Curriculum



Demographics of the City of Wyandotte


- Wyandotte is a "Working Class" community consisting of approximately 28,000 residents.
- Median Income:
 - Median Household Income: \$45,525 *
 - 54% of families earn less than \$50,000*
 - 77% of families earn less than \$75,000*
- 5 Title I schools, 3/6 elem. have 50+% F/R Lunch
- 10% of residents have a Bachelors Degree*
- 4% have a Graduate or Professional degree*


**Data is based on the 2000 Census.*




Building Demographics


- RHS enrollment 9-12:
 - 2007/2008 - 1382
 - 2008/2009 - 1353
- Mathematics – 46 sections
- MA Enrollment – 1263
- Avg. Class Size – 27.5
- Lowest foundation allowance
- \$7,316.00






Time for a Change






Reasons for Change

- To improve and promote advanced problem solving, logical reasoning, and critical thinking skills across the curriculum.
- Prepare all students for Post-secondary education and training.
- To address MME/ACT content.





RHS Math Curriculum

- Where we started:
 - 2003/2004 – Grade 9, Algebra I required.
 - 2004/2005 – Grade 10, Geometry required.
- 2006/2007 - Grade 11, Algebra II required
- 2007/2008 – Grade 8, Algebra I required
 - Grade 9, Geometry required
- 2008/2009 - Grade 9, Geometry or Adv. Geometry
 - Grade 10, Algebra I or Adv. Algebra II
 - Grade 11, Algebra II or (H)Pre-Calc
 - Grade 12, AP Calc
 - (H)Pre-Calc
 - Statistics/Probability

The School Schedule

- Two Semesters
- Six period day
- Fifty-six minute class periods.



Supporting Students and Staff

- Classroom accommodations.
- Professional development time.
- Counseling support.
- Support from teacher of all content areas.

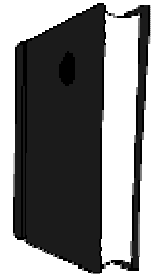


Addressing 504 and At-Risk Students: A Plan of Action

- At-Risk students are identified before the start of their 9th grade year.
- Assistant Principals meet with parents to explain High School requirements, curriculum, and student expectations.
- Students are monitored throughout the school year by administration and counseling personnel.
- Individual teachers address student needs.

504 and At-risk Classroom Modifications.

- Homework accommodations
- Alternative assessments
- Diversified Instruction
- Available hours for tutoring
- Lessons incorporating technology
- Graphic Organizers
- White Boards
- Graphing Calculators/Classroom
- MA/Sci Computer Lab, LMC, COWS

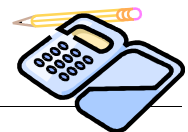



Special Education Accommodations

- Co-Teaching classes are available for all required courses.
- Training and preparation time is allotted for Co-teachers.
- Individual student accommodations are made by Special Education teachers.

Facts and Figures

- Class of 2008:
- Semester I: 98%, Semester II: 97% of students successfully completed Algebra II.
- Class of 2009:
- Semester I: 96%, Semester II: 92% of students successfully completed Algebra II.






MME Mathematics Results

Students Proficient in Levels 1 and 2

2007 RHS Ranked 6th /34 in Wayne County. 2008 RHS ranked 7th /34 in Wayne County.


<input type="checkbox"/> RHS scored 55%	<input type="checkbox"/> RHS scored 50%
<input type="checkbox"/> RESA scored 34%	<input type="checkbox"/> RESA scored 33%
<input type="checkbox"/> State score 46%	<input type="checkbox"/> State score 46%



ACT College Readiness Standards

Grade 11, 2008 ACT Mathematics Report:

	RHS	State
Range 13-15 –	20%	25%
	5% lower than State ☹	
Range 16-19 –	43%	37%
Range 20-23 –	22%	16%
	6% higher than State ☺	
Range 24-27 –	14%	13%
	1% higher State ☺	




ACT Mathematics – Average 5 Year Trend of Graduates:

	Local	State
■ Class of 2004	20.0	21.1
■ Class of 2005	20.7	21.2
■ Class of 2006	20.5	21.2
■ Class of 2007	20.1	21.3
■ 4 yr. Avg.	20.3	21.2
■ Class of 2008	19.2	19.5

From 2004-2007 RHS graduates averaged .875 points below the state average. At this time students were not required to take the ACT test.

For 2008 scores, which required all students to test, the difference was reduced to .3 points.

When many schools scores dropped with all students testing, RHS actually performed better due to curriculum changes and increased requirements.



Algebra II = PS + CT + LR

We have a moral obligation to meet the needs of our students.

We at Wyandotte Public Schools feel that we are successfully bringing Algebra II to all students and are providing a sound foundation for future success in the work place and/or post secondary education.

Students that invest in high quality education will prosper.

'DO THE RIGHT THING FOR THE RIGHT REASON'
