

# Academic Program Review Mineola High School

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Presentation to the Board of  
Education  
January 6, 2011

# High School Program Overview

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- Curriculum
    - National/State Requirements
      - AP Courses, Regents
    - Local Desire (Science Research, Financial Literacy)
  - Instruction
    - How we teach it
    - What are we doing differently? (Marzano)
      - Role of Technology
  - Assessment (Performance Indicators)
    - Regents
    - NWEA
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# Achieving the Mineola Mission Statement at the High School

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- ❑ Develop well-rounded individuals who will leave high school ready to meet the challenges of college or the workforce.
  - ❑ The high school strives to develop students who are good decision makers, think critically, and are good citizens.
  - ❑ Provide enrichment & support.
  - ❑ Meet the needs of all students.
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# Course Descriptions/Course Offerings – Grades 9 & 10

	Level	Grade 9	Grade 10
<b>Math</b>	<b>Accelerated</b>	Geometry H	Algebra II & Trig H
	<b>Regents</b>	Integrated Algebra	Geometry
<b>Science</b>	<b>Accelerated</b>	Living Environ H	Chemistry
	<b>Regents</b>	Living Environ	Earth Science
<b>English</b>	<b>Accelerated</b>	English 9 H	English 10 H
	<b>Regents</b>	English 9	English 10
<b>Social Studies</b>	<b>Accelerated</b>	Global History 9 H	Global History 10 AP
	<b>Regents</b>	Global History 1	Global History 2

# Course Descriptions/Course Offerings – Grades 11 & 12

	Level	Grade 11	Grade 12
<b>Math</b>	<b>Accelerated</b>	Pre-Calculus H	AP Calculus BC AP Calculus AB AP Statistics
	<b>Regents</b>	Algebra II & Trig or Probability/ Statistics or Integ Algebra & Trig or Pre-Calculus (Spring)	Pre-Calculus AP Calculus AB AP Statistics
<b>Science</b>	<b>Accelerated</b>	AP Science* or Physics R (*Chemistry, Biology, Physics or Environmental)	AP Science* (*Chemistry, Biology, Physics or Environmental)
	<b>Regents</b>	Chemistry	Physics
<b>English</b>	<b>Accelerated</b>	AP English Language & Comp	AP English Lit or College English
	<b>Regents</b>	English 11	English Electives
<b>Social Studies</b>	<b>Accelerated</b>	AP US History	AP Gov't. College Gov't. College Economics
	<b>Regents</b>	US History	Gov't/Economics

# Instructional Differences Between Types of Courses

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- Regents
    - Alignment to New York State Standards
    - College Preparation
  - Honors
    - Alignment to New York State Standards
    - College Preparation
    - Prepare students for the challenges of higher-level courses
  - Advanced Placement
    - Based on a National Curriculum
    - College preparation
    - Culminates in a National AP Exam
    - Opportunity for college credit
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# New Coursework

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- Science Research
  - Financial Literacy
  - Musical Theater
  - PE Leadership
  - Contemporary Issues & Events in the World
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# Science Research Program

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- Skills emphasized in this program:
    - Organizational skills
    - Internet skills
    - Laboratory experimentation
    - Documentation of results
    - Written & oral communication
    - Introduction to Science Research, Advanced Research I, and Advanced Research II
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# Highlights

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- ❑ Long Island Science Congress
  - ❑ Siemens and/or Intel competitions
  - ❑ National Science Foundation/Noyce High School Science & Math Fair
  - ❑ Long Island Science & Engineering Fair
  - ❑ Research opportunities at Adelphi University and Winthrop University Hospital
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# Robert Marzano

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- ❑ Establish and communicate goals – What is the learning goal?
  - ❑ Design activities to increase student understanding – How are students engaged?
  - ❑ Develop formative assessments to track student learning – How does the teacher assess students' progress?
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# Implementing Formative Assessment

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Quality Formative Assessments always...

- Emphasize the quality rather than the quantity of student work.
  - Foster dialogue that explores understanding.
  - Provide feedback that enhances student motivation & leads to improvement.
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# Performance Indicators (Assessments)

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- Graduation rates
  - Advanced Regents diplomas
  - Regents passing rates
  - AP enrollment
  - AP Scholars
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# Regents Diploma Rates

<b>Year of Graduation</b>	<b>Advanced Regents Diploma</b>		<b>Regents Diploma</b>	
	<b>Percent</b>	<b>No. Diplomas</b>	<b>Percent</b>	<b>No. Diplomas</b>
<b>2008</b>	65%	121	92%	49
<b>2009</b>	65%	118	94%	53
<b>2010</b>	65%	117	94%	54

# Future Concerns

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Three Options:

1. Continuation of exams.
  2. Charge cost of Regents to the schools.
  3. SED will eliminate most Regents exams that are not Federally required: Italian, French, Spanish, US History & Government, Global History & Geography, Physics, Chemistry, Earth Science, and Geometry.
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# Conclusion – Continue to Improve Student Achievement

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- Data analysis
  - Use of assessment to improve teaching practices
  - Application of the improved teaching practices
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