



INFORMATION BULLETIN

Implementation Timeline for the Revised Mathematics Regents Examinations

On March 15, 2005 the New York State Board of Regents adopted the performance indicators for Integrated Algebra, Geometry, and Algebra 2 and Trigonometry, along with the alignment modifications for pre-kindergarten through grade 8. This information bulletin is specific to the revised high school mathematics courses of Integrated Algebra, Geometry and Algebra 2 and Trigonometry and their related Regents examinations.

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1. Summary of Approved Requirements

- The mathematics graduation requirement for a Regents diploma will be the passing of one Regents examination in mathematics, and the passing of three units of credit of high school mathematics. Credit granted for the Integrated Algebra course will be limited to two credits.
- The mathematics graduation requirement for a Regents Diploma with Advanced Designation will be the passing of three units of credits of high school mathematics, and that students will also pass the Regents examinations in Integrated Algebra, Geometry, and Algebra 2 and Trigonometry.
- Students who complete all coursework and testing requirements for the Regents Diploma with Advanced Designation in mathematics and/or science and take and pass three Regents examinations in each academic discipline with a score of 85 or better may earn a Regents Diploma with Advanced Designation, with an annotation on the diploma that denotes mastery in mathematics and/or science.

2. Summary of Timeline for Implementation of Revised Mathematics Regents Exams

The resolution of establishing a timeline for implementing the administration of the Regents examinations for these courses was decided at the December 2005 meeting of the Board of Regents. At that time the Regents approved the following:

- Schedule the first administration of the Integrated Algebra examination along with the Mathematics A examination in June 2008;
- Schedule the administration of both the Integrated Algebra examination along with the Mathematics A examination in January 2009 (the last administration of Mathematics A);
- Schedule the first administration of the Geometry examination along with the Mathematics B Examination in June 2009 (the last administration of Mathematics B would be June 2010); and
- Schedule the first administration of the Algebra 2 and Trigonometry examinations in June 2010.

3. Development of the New Regents Examinations

According to the SED document, the development of the first two years of the Integrated Algebra and the Geometry Regents examinations will be given to an outside vendor. Since mathematics Regents examinations are administered three times a year, January, June and August, twelve Regents examinations will be developed by the vendor; six for Integrated Algebra and six for Geometry. The vendor would have to adhere to the Department's standard test development process.

New York State teachers will be involved in the design of the test specifications and blueprint, item review and selection, range-finding, and standard-setting. The vendor will conduct item writing workshops and teachers will be invited to submit items for review and possible inclusion on subsequent tests.

4. Results of the SED Mathematics Survey

- The majority of respondents (about 76 percent) agreed that the Mathematics A and B examinations should be abandoned as soon as possible as there are strong concerns regarding these two exams, given their past history of problems.
- A surprising number of respondents (74 percent) indicated that their districts' K – 12 mathematics curricula was not aligned with the new mathematics standards and performance indicators.
- A large number (83 percent) indicated that their districts' professional development programs were not designed to adjust the mathematics curricula.

5. Implications for Locals

Curriculum alignment: The districts' K – 12 mathematics curriculum needs to be aligned with the revised standards and performance indicators by September 2006 in order to prepare students for the June 2008 administration of the Integrated Algebra Regents examination. The revised mathematics standards and performance indicators may be accessed at <http://www.emsc.nysed.gov/3-8/MathCore.pdf>

Impact on middle-level mathematics: Students in grades 7 and 8 must receive instruction in the revised standards. Successful completion of the Integrated Algebra course and the Regents examination is dependent on the instruction students receive in grades 7 and 8.

Professional development: Comprehensive professional development at all levels must occur to ensure that instructional staff is prepared for the upcoming changes. Teachers must be comfortable with revised standards and the districts' mathematics curriculum and local implementation of the courses. Local Leaders should be sure that the district's Professional Development Plan reflects necessary and appropriate professional development for teachers and SRPs. The district's Professional Development Plan must be reviewed annually, by June 1 of each year.

6. Guide for Local Leaders

- Work with your professional development committee to set up structured and meaningful training in the revised mathematics standards and performance indicators. It is important to include instructional staff in grades 7 and 8 as they set the foundation for the high school courses.

- Work with the administration to establish a timeline for realigning the districts' K – 12 mathematics curriculum. This should be completed by and implemented in September 2006.
- Encourage your mathematics teachers to get involved in SED's review committees by distributing the Call for Expertise web address: <http://www.emsc.nysed.gov/ciai/callmath.htm>. This will enable them to participate in different phases of test development and to be trained in item writing for future mathematics Regents examinations.

7. Estimated Development Timeline

Date	Activity
Oct-Dec 2005	Develop and publish RFP
Jan-March 2006	Review proposals and award contract
April-June 2006	Design test specifications and blueprint
July-Sept 2006	Item writing; item review; and item selection
Fall 2006	Publish test samplers
Spring 2007	Field test
Summer 2007	Range-finding; psychometric analysis
Fall 2007	Publish full Sample Test(s)

8. New Regents Mathematics Exams Implementation/Transition Timeline

	Math A	Math B	Integrated Algebra	Geometry	Algebra 2 and Trigonometry
2006-07	X	X	School curricular and instructional alignment and SED item writing and pretesting	School curricular and instructional alignment and SED item writing and pretesting	School curricular and instructional alignment and SED item writing and pretesting
2007-08	X	X	X First admin. in June 2008, Post-equate	School curricular and instructional alignment and SED item writing and pretesting	School curricular and instructional alignment and SED item writing and pretesting
2008-09	X Last admin. in January 2009	X	X	X First admin. in June 2009, Post-equate	School curricular and instructional alignment and SED item writing and pretesting
2009-10		X Last admin. in June 2010	X	X	X First admin. in June 2010, Post-equate
2010-11			X	X	X
2011-12			X	X	X