

June 1, 2016

# K-12 Mathematics Bulletin

ROCHESTER CITY SCHOOL DISTRICT

*Mathematics: A Tool to Solve Rigorous, Non-routine, Real Life Problems*

## K-2 Math Performance Based Assessments

Please click [HERE](#) for information regarding the K-2 Math Performance Based Assessments. The three resources I would recommend are indicated with arrows. If you have any questions, please do not hesitate to contact me.

### SLO Guidance

#### **APPR FAQ**

Click here for current frequently asked questions.

#### **Resource Room/Consultant Teacher Support | RR/CT Target Setting Video**

Watch this video to receive guidance on SLO target setting for RR/CT teachers in grades K-12.

#### **SLO Baseline and Target Setting for ESOL Teachers**

This presentation was created to assist ESOL teachers in the process of target setting

#### **Performance-Based Assessments in eDoctrina**

A teacher's guide to accessing exam rubrics and entering performance-based exam results into eDoctrina



#### **Accessing Prior Year Student Assessment Results**

A step-by-step guide to accessing prior year student assessment results in eDoctrina

#### **How to Submit SLOs for Review**

A step-by-step guide for submitting SLOs

#### **Accessing Prior Year SLOs and State Growth Score Calculations**

A step-by-step guide to accessing prior year SLOs and State Growth Score calculations in eDoctrina

#### **K-2 Webinar**

Need help and guidance setting your K-2 targets? This video will walk teachers through how to set targets in eDoctrina.



#### **Assessment Blueprints, Scoring Materials, and Rubrics**

K-3 Content descriptions are located in the link above in the Math and ELA folders. Find the learning content for your grade level and cut and paste it into your eDoctrina page.



#### **SLOs for Music and the Visual & Performing Arts**

SLOs, blueprints, targets and more available on sharepoint or google drive for teachers.

#### **RCSD Course Catalogue**

To be used for course description in eDoctrina

#### **SPA Data**

Locating Historical Data in SPA for Teachers

## Pacing Recommendations

Grade Level	Recommendation	Resources
Kindergarten	End Module 5	
1 <sup>st</sup> Grade	End Module 6	
2 <sup>nd</sup> Grade	Into Module 8	
3 <sup>rd</sup> Grade	Mid Module 7	<a href="#">Performance Level Description</a>
4 <sup>th</sup> Grade	Begin Module 7	<a href="#">Performance Level Description</a>
5 <sup>th</sup> Grade	Mid Module 6	<a href="#">Performance Level Description</a>
6 <sup>th</sup> Grade	Mid Module 6	<a href="#">Performance Level Description</a>
7 <sup>th</sup> Grade	Into Module 6	<a href="#">Performance Level Description</a>
8 <sup>th</sup> Grade	Into Module 7	<a href="#">Performance Level Description</a>
Algebra 1-R	Review	<a href="#">Test Guide</a> <a href="#">Performance Level Description</a>
Geometry-R	Review	<a href="#">Test Guide</a> <a href="#">Performance Level Description</a>
Algebra II-R	Review	<a href="#">Test Guide</a>

# Elementary Math Resources



<p><b><u>Parent and Teacher Resources</u></b></p> <p><a href="#">Learnzillion</a></p> <p><a href="#">NCTM Illuminations</a></p> <p><a href="#">Eureka Math Tips for Parents</a></p>
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WAY TO GO! WE HAVE ALREADY SOLVED OVER 20.9 MILLION PROBLEMS.

CONGRATULATIONS TO SCHOOL 34, RANKED #1 IN NYS ALOS IN TOP NYS 25-46, 1, 33, 50, 42, 52, 9, 5,12, 3, 35

* <a href="#">How to Implement a Story of Units</a>	*Curriculum Map and Overview <a href="#">(K-5)</a> <a href="#">(Grade 6)</a>	* <a href="#">2015-16 RCSD Pacing Guidance</a>
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[PRINT READY WORKBOOKS OF STUDENT RESOURCES K-6 FROM MODULES](#)

K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6
			Released NYS Test Questions <a href="#">2015</a> <a href="#">2013-14</a> <a href="#">PLD's</a>	Released NYS Test Questions <a href="#">2015</a> <a href="#">2013-14</a> <a href="#">PLD's</a>	Released NYS Test Questions <a href="#">2015</a> <a href="#">2013-14</a> <a href="#">PLD's</a>	<a href="#">PLD's</a> Released NYS Test Questions <a href="#">2015</a> <a href="#">2013-14</a>
<a href="#">Module 1</a>	<a href="#">Module 1</a>	<a href="#">Module 1</a>	<a href="#">Module 1</a>	<a href="#">Module 1</a>	<a href="#">Module 1</a>	<a href="#">Module 1</a>
<a href="#">Module 2</a>	<a href="#">Module 2</a>	<a href="#">Module 2</a>	<a href="#">Module 2</a>	<a href="#">Module 2</a>	<a href="#">Module 2</a>	<a href="#">Module 2</a>
<a href="#">Module 3</a>	<a href="#">Module 3</a>	<a href="#">Module 3</a>	<a href="#">Module 3</a>	<a href="#">Module 3</a>	<a href="#">Module 3</a>	<a href="#">Module 3</a>
<a href="#">Module 4</a>	<a href="#">Module 4</a>	<a href="#">Module 4</a>	<a href="#">Module 4</a>	<a href="#">Module 4</a>	<a href="#">Module 4</a>	<a href="#">Module 4</a>
<a href="#">Module 5</a>	<a href="#">Module 5</a>	<a href="#">Module 5</a>	<a href="#">Module 5</a>	<a href="#">Module 5</a>	<a href="#">Module 5</a>	<a href="#">Module 5</a>
<a href="#">Module 6</a>	<a href="#">Module 6</a>	<a href="#">Module 6</a>	<a href="#">Module 6</a>	<a href="#">Module 6</a>	<a href="#">Module 6</a>	<a href="#">Module 6</a>
		<a href="#">Module 7</a> <a href="#">Module 8</a>	<a href="#">Module 7</a>	<a href="#">Module 7</a>		

Translated Student Resources Are Available on elearning

[RELEASED NYSED MATH ITEMS SORTED BY GRADE AND MODULE](#)

# Middle School Math Resources

## Parent and Teacher Resources

[Learnzillion](#)  
[NCTM Illuminations](#)  
[Eureka Math Tips for Parents](#)

[STORY OF RATIOS CURRICULUM MAP](#)

Grade 7 <a href="#">PACING</a>	Grade 8 <a href="#">PACING</a>	<a href="#">Math 7-H Accelerated Pacing</a>	OnRamp	Performance Level Descriptions	Released Sample Items	NYS Math Testing Guides
<a href="#">Module 1 Guidance Document</a>	<a href="#">Module 1 Guidance Document</a>		<a href="#">Math 7 OnRamp Pacing</a>	<a href="#">Math 7 PLD</a>	<a href="#">Math 7 Released Items 2013-14 2015</a>	<a href="#">Math 7 Testing Guide</a>
<a href="#">Module 2 Guidance Document</a>	<a href="#">Module 4 Guidance Document</a>		<a href="#">Math 8 OnRamp Pacing</a>	<a href="#">Math 8 PLD</a>	<a href="#">Math 8 Released Items 2013-14 2015</a>	<a href="#">Math 8 Testing Guide</a>
<a href="#">Module 3 Guidance Document</a>	<a href="#">Module 5 Guidance Document</a>					
<a href="#">Module 4 Guidance Document</a>	<a href="#">Module 6 Guidance Document</a>					
<a href="#">Module 5</a>	<a href="#">Module 2</a>					
<a href="#">Module 6</a>	<a href="#">Module 3</a>					
	<a href="#">Module 7</a>					
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## PARCC Items

**2013 & 2014 Released State Exam Items Sorted by Standard (added 10/29/14)**

Grade 7 ([Word](#), [PDF](#))

Grade 8 ([Word](#), [PDF](#))

## Math Curriculum Updates for Algebra 1

Algebra 1	Algebra 1 Math Lab	Performance Level Description	Released Regents Exams	<a href="#">Algebra 1 Test Guide</a>
<a href="#">PACING</a>	<a href="#">PACING</a>	<a href="#">Performance Level Description</a>	<a href="#">June 2014</a> <a href="#">Annotated Items</a>	
<a href="#">Module 1</a>			<a href="#">August 2014</a>	
<a href="#">Module 3</a>			<a href="#">January 2015</a>	
<a href="#">Module 4</a>			<a href="#">June 2015</a>	
<a href="#">Module 2</a>			<a href="#">August 2015</a>	
<a href="#">Module 5</a>				
Translated Student Resources Are Available on elearning				

### [PARCC Items](#)

PARCC items are a great source of Common Core aligned problems to supplement the modules for your problem sets. I highly recommend them.

Castle Learning is NOW Available. This is a great resource for preparing students for NYS Regents Exams. We have had multiple trainings and are doing more. Contact me if you have questions.



### Other Helpful Links to Resources for Algebra 1

[Breakdown of Algebra 1 Regents Exam Questions](#)

[Algebra 1 Common Core Regents Questions Sorted by Standards](#)

Algebra 1 Common Core Regents Exam on June 16, AM

## Math Curriculum Updates for Geometry R

### Geometry Common Core Regents Exam on June 17, PM

Geometry-R	Geometry	<a href="#">Geometry Test Guide</a>	<a href="#">Geometry Performance Level Descriptions</a>
<a href="#">PACING</a>	<a href="#">Pacing</a>	<a href="#">Released Geometry Common Core Regents Exams</a>	
<a href="#">Module 1</a>  <a href="#">Guidance</a>		<a href="#">June 2015</a>	
<a href="#">Module 2</a>  <a href="#">Guidance</a>		<a href="#">August 2015</a>	
<a href="#">Module 3</a>  <a href="#">Guidance</a>			
<a href="#">Module 4</a>  <a href="#">Guidance</a>			
<a href="#">Module 5</a>  <a href="#">Guidance</a>			

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### [PARCC Items](#)

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### Other Helpful Links to Resources for Geometry R

[Breakdown of Geometry CC Regents Exam Questions](#)

## Math Curriculum Updates for Algebra II-R

Algebra 2	Algebra II R	
<a href="#">PACING</a>	<a href="#">PACING</a>	<a href="#">Test Guide</a>
	<a href="#">Guidance</a>	<a href="#">Sample Items</a>
	<a href="#">Module 1</a>	<a href="#">Standards Clarification</a>
	<a href="#">Guidance</a>	
	<a href="#">Module 2</a>	
	<a href="#">Guidance</a>	
	<a href="#">Module 3</a>	
	<a href="#">Guidance</a>	
	<a href="#">Module 4</a>	
	<a href="#">Guidance</a>	

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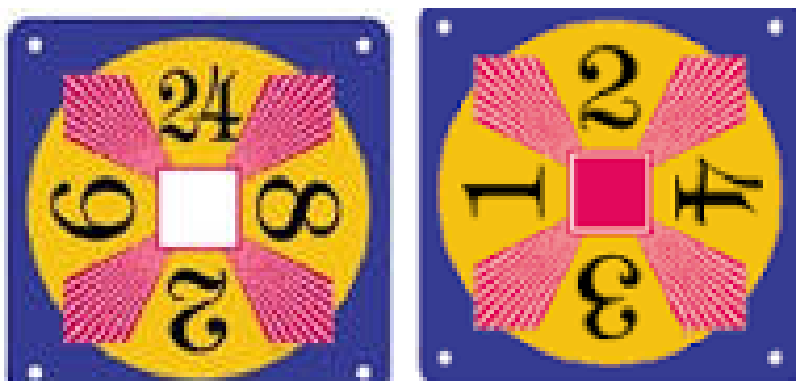


Algebra 2 With Trigonometry Regents on June 17, AM

[PARCC Items](#)

# 24 Challenge Tournament

We had a great day for 24 Challenge on May 18. Special thanks to Michele Liguori-Alampi and Mary Andrecolich-Diaz for hosting. We also had tremendous support from classroom teacher chaperones and instructional coaches.



## The 2016 Champions are:

- Grade 3- Jeylian Alicea-Torres School 35
- Grade 4- Justin Ramas School 5
- Grade 5- Rakear Knowles School 45
- Grade 6- Mana Muhammad School 10





# Effective Test Taking Practices for Multiple Choice and Open Ended Questions on NYS Regents Math Exams

**The Goal:** To reduce frustration and increase achievement on NYS Regents Math Exams

**The Problem:** Students typically answer questions in the order they appear on the exam. If they get stuck on a particular question, it is not uncommon for students to spend an exorbitant amount of time trying to answer one question or they may get frustrated to the point that they are not effectively answering subsequent questions.

**The Simple Solution:** “Three Passes” Through Multiple Choice and Open Ended Strategy. Students can systematically cover an assessment and produce their best work efficiently.

**Pass 1:** Students will know how to do a significant number of items on the assessment. The **first** pass through the assessment should be to start at the beginning of the exam and find all of the questions they know well and can complete quickly and accurately. **Students must reread the question and make sure they are answering what is being asked.** This pass should comprise approximately 60-70% of the testing time.

**Pass 2:** The **second** pass through the assessment should be find questions they do not know as well, but through careful reading and limited knowledge of the concept, can eliminate one to two distractors (Multiple Choice) that they know are incorrect. Students can then use reasoning skills, working backwards, or estimation to locate the correct answer. **For open ended questions, students should show any relevant work that may earn them partial credit.** This pass should comprise approximately 20-30% of the testing time.

**Pass 3:** Students should use the remainder of the time to make sure that no multiple choice questions are left blank. Through different strategies a student may be able to eliminate one distractor as incorrect and then make an educated guess. A blank is ALWAYS wrong!

-STUDENTS SHOULD USE THEIR ENTIRE TIME!

-PROFICIENCY WITH GRAPHING CALCULATOR IS VITAL -STUDENTS MUST KNOW HOW TO USE A REFERENCE SHEET