

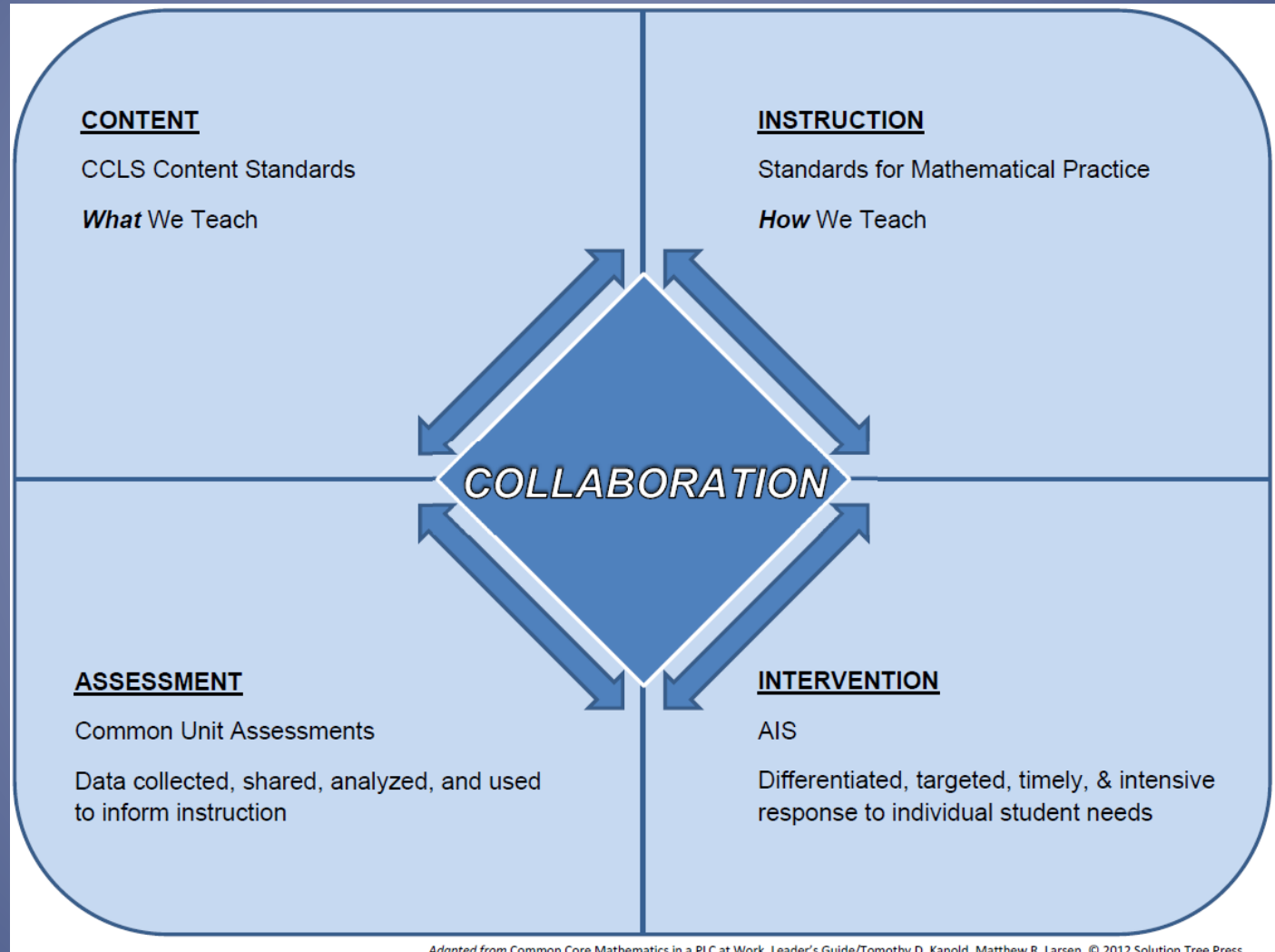


**Solvay Schools  
Math Department  
Update**

**October 15, 2018**



# Collaboration Cycle





# Content

- **Capacity Building 2018-2019 School Year:** Two-day assessments measuring the current standards; professional development continuing on Next Generation Learning Standards
- **Capacity Building 2019-2020 School Year:** Two-day assessments measuring the current standards; professional development continuing on Next Generation Learning Standards
- **Full Implementation September 2020:** Full implementation of the Next Generation Learning Standards
- **Spring 2021:** New grade 3-8 tests measuring Next Generation Learning Standards.



# Content

- Supporting Teachers: Begin dissemination of resources from NYS as they become available including:
  - Crosswalk documents
  - Snapshot Documents
  - Unpacking materials
  - How-to Guides



# Content

- High School – *Statistics is being offered this year!*



# Assessment

- Summer Curriculum Work – Middle School tests were updated and modified for easier data collection and improved student friendliness.
- AIMSWeb – replacing STAR Math as progress monitoring tool at middle school.



**NYS Math Assessments  
Proficiency Rates  
Solvay School District**

	2013	2014	2015	2016	2017	2018
<b>Math 3</b>	33%	29%	31%	36%	37%	39%
<b>Math 4</b>	27%	33%	30%	32%	28%	41%
<b>Math 5</b>	30%	25%	34%	23%	23%	23%
<b>Math 6</b>	10%	21%	19%	21%	14%	23%
<b>Math 7</b>	29%	17%	25%	19%	34%	23%
<b>Math 8</b>	24%	26%	23%	32% **	32% **	28%
<b>Algebra I</b>	67%	64%	65% *	84% *	79% *	62% *
		40% *				
<b>Geometry</b>	64%	72%	84%	61% *	61% *	71% *
			61% *			
<b>Algebra II</b>	39%	57%	62%	88% *	74% *	81% *

\* Common Core Regents Exams

\*\* includes 8th grade Advanced Algebra



# NYS Assessments

		2014 - 2015	2015 - 2016	2016 - 2017	2017 - 2018
3	# Tested	79	80	100	87
	% Proficient	31%	36%	37%	39%
4	# Tested	56	78	77	90
	% Proficient	30%	32%	28%	41%
5	# Tested	55	47	65	73
	% Proficient	34%	23%	23%	23%
6	# Tested	67	65	43	56
	% Proficient	19%	21%	14%	23%
7	# Tested	71	63	66	52
	% Proficient	25%	19%	34%	23%
8	# Tested	61	73	65	71
	% Proficient	23%	32%	32%	28%





# High School Regents

	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Algebra I</b>	65%	84%	79%	62%
<b>Geometry</b>	84%	61%	61%	71%
<b>Algebra 2/Trig</b>	62%			
<b>Algebra II</b>		88%	74%	81%



# Instruction

- *Flipped Classroom* – Algebra II teachers finding this model very successful
  - Allows for new instruction through videos
  - “Homework” can be done in class with teacher present



# Instruction

- Summer Curriculum Work – Item Analysis and Trend Maps were analyzed and Curriculum Maps refined to more accurately reflect assessed standards



# Intervention

- Middle School Currently has 9 periods per day (18 Sections) of small Group AIS



# Intervention

- *HS Math Lab* – *AIS math lab is open throughout the day for students to drop in for homework help and extra review*



# Goals

- *Continue to work to shift the mindset of our teachers toward mastery-level learning, not just proficiency*
- *Continue to work to shift the community mindset that all students can be successful in mathematics*

