

**Common Core Math
Math Parent Night for
Current 6th Graders**

March 30, 2015

+ Common Core Math:

Highlights of Board Approved Pathways

- pathways to Calculus AB and BC for qualified students;
- multiple “compression” options for students who are ready for more challenge;
- opportunities to take summer school classes that provide additional entry points to the compression paths; and
- support classes for learners who need additional time to master concepts.

Course Pathway Recommendations

Grade in 2014/15	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
6	CC-6	CC-7	CC-8	IM-1	IM-2	IM-3	Math Analysis or Statistics

Under the Board approved pathways, students may choose a “grade level” pathway that allows them to complete (IM-3) and surpass (Math Analysis) the minimum math requirements for the UC/CSU system.

Course Pathway Recommendations

Grade in 2014/15	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
		CC-7/CC-8 Support		I-1/IM-2 Support			
6	CC-6	CC-7	CC-8	IM-1	IM-2	IM-3	Math Analysis or Statistics

Under the Board approved pathways, students who require additional support in Math could enroll in CC-7 Support (Math Lab).

This support course would be taught by a math credentialed teacher. The course **does not** supplant CC-7.

Course Pathway Recommendations

Or students can begin a compression in **7th grade** ...

Grade in 2014/15	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
		CC-7/CC-8 Support		I-1/IM-2 Support			
6	CC-6	CC-7	CC-8	IM-1	IM-2	IM-3	Math Analysis or Statistics
		CC-7/CC-8A (3:2)	CC-8B/IM-1 (3:2)	IM-2	IM-3	Math Analysis or Statistics	AP Calculus AB
						Math Analysis Honors	AP Calculus BC

2015/16	2016/17	2017/18
6 th Grade	7 th Grade	8 th Grade
CC-6	CC-7	CC-8
	CC-7/CC-8A (3:2)	CC-8B/IM-1 (3:2)

7th grade students choosing this compression would complete:

- CC-7, CC-8, IM-1
- at the completion of 8th grade, three courses over two years (3:2).

Compression starting at 7th grade will enable a student to complete Math Analysis in her junior year and take either AP Calculus AB or Statistics during senior year.

Course Pathway Recommendations

Students can then continue with compression in **11th grade** ...

Grade in 2014/15	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
		CC-7/CC-8 Support		I-1/IM-2 Support			
6	CC-6	CC-7	CC-8	IM-1	IM-2	IM-3	Math Analysis or Statistics
		CC-7/CC-8A (3:2)	CC-8B/IM-1 (3:2)	IM-2	IM-3	Math Analysis or Statistics	AP Calculus AB
						Math Analysis Honors	AP Calculus BC

2018/19	2019/20	2020/21
IM-2	IM-3	Math Analysis or Statistics
IM-3	Math Analysis or Statistics	AP Calculus AB
	Math Analysis Honors	AP Calculus BC

If a student compresses in 7th grade, she could compress a second time by taking Math Analysis Honors (a compression of Math Analysis and Calculus A) in 11th grade, which would enable her to take either AP Calculus BC or Statistics during senior year.

Course Pathway Recommendations

Or students can wait to begin a compression in **9th grade** ...

2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
5 th Grade	5 th Grade	7 th Grade	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
	CC-6 Support	CC-7/CC-8 Support		IM-1/IM-2 Support			
CC – 5th	CC-6 →	CC-7	CC-8 ↘	IM-1 IM-1/IM-2A (3:2)	IM-2 IM-2B/IM-3 (3:2)	IM-3 Math Analysis or Statistics	Math Analysis or Statistics AP Calculus AB or Statistics
						Math Analysis Honors	AP Calculus BC

9th grade students choosing this compression would complete:

- Integrated Math 1
 - Integrated Math 2
 - Integrated Math 3
- at the completion of 10th grade, three courses over two years (3:2).

Compression at 9th grade will enable a student to complete Math Analysis in her junior year and take either AP Calculus AB or Statistics during senior year.

If a student compresses in 9th grade, she could compress a second time by taking Math Analysis Honors (a compression of Math Analysis and Calculus A) in 11th grade, which would enable her to take either AP Calculus BC or Statistics during senior year.

Course Pathway Recommendations

Or students can wait to begin a compression **after 9th grade** by enrolling in a summer course or self-study.

2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
5 th Grade	6 th Grade	7 th Grade	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
	CC-6 Support	CC-7/CC-8 Support		IM-1/IM-2 Support			
CC – 5th	CC-6	CC-7	CC-8	IM-1	IM-2	IM-3	Math Analysis or Statistics
					IM-2B/IM-3	Math Analysis or Statistics	AP Calculus AB or Statistics
				IM-1/IM-2A (3:2)	IM-2B/IM-3 (3:2)	Math Analysis Honors	AP Calculus BC
						Math Analysis or Statistics	AP Calculus AB or Statistics
		CC-7/CC-8A (3:2)	CC-8B/IM-1 (3:2)	IM-2	IM-3	Math Analysis Honors	AP Calculus BC
						Math Analysis or Statistics	AP Calculus AB or Statistics
				IM-2B/IM-3	Math Analysis or Statistics	AP Calculus AB or Statistics	AP Calculus BC
					Math Analysis Honors	AP Calculus BC	Elective

 To take advantage of this extra option, the student can take Integrated Math 2-A (IM-2A) either as a summer course (a semester's worth of material covered over a 6-week summer program hosted by PUSD) or as a self-study program.

+ Determining Readiness for Compression in 7th Grade

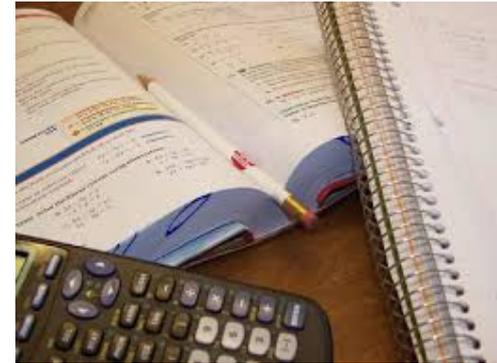
Criteria	Points Earned
Semester 1 Grade <ul style="list-style-type: none">- 95-100%- 90-94%- Below 90%	3 points 2 points 1 point
3rd Quarter Grade <ul style="list-style-type: none">- 95-100%- 90-94%- Below 90%	3 points 2 points 1 point
Semester 1 Final Exam <ul style="list-style-type: none">- 95-100%- 90-94%- Below 90%	3 points 2 points 1 point

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+ Determining Readiness for Compression in 7th Grade

Criteria	Points Earned
1 st , 2 nd , 3 rd Qtr. Homework Avg. - 95-100% - 90-94% - Below 90%	3 points 2 points 1 point
Math Reasoning (SBAC Practice Test = Performance Task) - 95-100% - 90-94% - Below 90%	3 points 2 points 1 point
Motivation & Organization; and Maturity & Self-Confidence	3 points 2 points 1 point
Ability to work independently; and Able to grasp concepts quickly	3 points 2 points 1 point
Total Possible Points Needed for Recommendation	19/21

+ Textbook Adoption



District staff are reviewing and piloting a range of instructional materials to determine:

- how well the materials align with Common Core Math Standards, and
- whether these materials are clear, effective and suitable for adoption.

Staff will recommend new materials for adoption in the Fall of 2015.

Between now and final adoption of the new materials, staff will continue to utilize Spring Board curriculum (as they have this past year) for all math courses.

+ Questions?