



**Common Core Math
Math Parent Night for
Current 7th Graders in CC-8**

March 31, 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 Options

| Grade in 2014/15 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 |
|------------------|-----------------------------------|---------|---------|---------|--------------------------------|---------------------------------|
| 7 | CC-8 (7 th graders) | IM-1 | IM-2 | IM-3 | Math Analysis or Statistics | AP Calculus AB 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 Options

| Grade in 2014/15 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 |
|------------------|-------------------------------------|---------|-------------------|---------|--------------------------------|---------------------------------|
| | | | IM-1/IM-2 Support | | | |
| 7 | CC-8 (7 th graders) → | IM-1 | IM-2 | IM-3 → | Math Analysis or Statistics | AP Calculus AB or Statistics |
| | | | | | Math Analysis Honors | AP Calculus BC |

If a student continues on the grade-level progression, she could compress 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 Options

Or students can begin a compression in **8th grade** ...

| 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 |
|-----------------------------------|-------------------------------------|-----------------------|------------------------|--------------------------------|---------------------------------|
| 7 th Grade | 8 th Grade | 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
| CC-8 (7 th graders) | IM-1 | IM-2 | IM-3 | Math Analysis or Statistics | AP Calculus AB or Statistics |
| | IM-1/IM-2A (3:2) location TBD | IM-2B/IM-3 (3:2) | Math Analysis | AP Calculus AB | AP Calculus BC |

8th grade students choosing this compression would complete:

- IM-1, IM-2, IM-3

at the completion of 9th grade, three courses over two years (3:2).

Course Pathway Options

Students can then continue with compression in **10th grade** ...

| 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 |
|-----------------------------------|-------------------------------------|-----------------------|-------------------------|--------------------------------|---------------------------------|
| 7 th Grade | 8 th Grade | 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
| CC-8 (7 th graders) | IM-1 | IM-2 | IM-3 | Math Analysis or Statistics | AP Calculus AB or Statistics |
| | IM-1/IM-2A (3:2) location TBD | IM-2B/IM-3 (3:2) | Math Analysis | AP Calculus AB | AP Calculus BC |
| | | | Math Analysis Honors | AP Calculus BC | Elective |

If a student compresses in 8th grade, she could compress a second time by taking Math Analysis Honors (a compression of Math Analysis and Calculus A) in 10th grade, which would enable her to take either:

AP Calculus AB (junior year) and AP Calculus BC (senior year)

or

AP Calculus BC or Statistics during junior year.

Course Pathway Options

Or students can wait to begin a compression **after 8th grade** by enrolling in a summer course or self-study.

| Grade in 2014/15 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 |
|------------------|-----------------------------------|-------------------------------------|---------------------|--------------------------------|---------------------------------|---------------------------------|
| | | | IM-1/IM-2 Support | | | |
| 7 | CC-8 (7 th graders) | IM-1 | IM-2 | IM-3 | Math Analysis or Statistics | AP Calculus AB or Statistics |
| | | | | | Math Analysis Honors | AP Calculus BC |
| | | | IM-2B/IM-3 | Math Analysis or Statistics | AP Calculus AB or Statistics | AP Calculus BC |
| | | | | Math Analysis Honors | AP Calculus BC | Elective |
| | | IM-1/IM-2A (3:2) location TBD | IM-2B/IM-3 (3:2) | Math Analysis | AP Calculus AB | AP Calculus BC |
| | | | | Math Analysis Honors | AP Calculus BC | Elective |

If a student compresses **after 8th grade** (via summer school), she could compress a second time by taking Math Analysis Honors (a compression of Math Analysis and Calculus A) in 10th grade, which would enable her to take either:

AP Calculus AB (11th grade) and AP Calculus BC (12th grade)

or

AP Calculus BC or Statistics during junior year.



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 4-week summer program hosted by PUSD) or as a self-study program.

+ Determining Readiness for Compression in 8th 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 8th 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?