

# Miller Creek Middle School Math Pathway Possibilities (updated 12/9/21)

Optional Pathways	Courses		Advantages	Concerns	Considerations
A	Math 6	Math 7	<ul style="list-style-type: none"> <li>3 years of strong foundational mathematics</li> <li>Heterogeneous classes in every grade</li> <li>Delays tracking until high school</li> <li>Recommended by draft CA Framework</li> </ul>	<ul style="list-style-type: none"> <li>No access to Algebra 1</li> <li>Designing proper differentiation</li> </ul>	<ul style="list-style-type: none"> <li>Multiple pathways are available in high school</li> <li>Not recommended by staff</li> </ul>
		Math 8			
B	Math 6	Compressed Math 7 & Math 8	<ul style="list-style-type: none"> <li>Provides access to Algebra for some</li> <li>Acceleration for some begins in 7th grade</li> </ul>	<ul style="list-style-type: none"> <li>Tracking begins in grade 7</li> <li>Omits critical content from Math 7 &amp; 8</li> <li>Placement data serves as gatekeeper for acceleration</li> <li>Underrepresented groups of students including hispanic students, EL students, students with IEPs</li> <li>Not aligned with the drafted CA Framework</li> <li>Compresses the most standard dense course</li> </ul>	<ul style="list-style-type: none"> <li>13% of TLHS students who entered in Geometry as freshman took Calculus in high school</li> <li>High rates of retaking calculus once in college</li> <li>Not recommended by staff</li> </ul>
		Math 7			
C	Math 6 + Math 7 Big Ideas	Math 7+ Math 8 Big Ideas	<ul style="list-style-type: none"> <li>Delays tracking until Grade 8</li> <li>Exposure to Grade 8 Big Ideas for all 7th graders</li> <li>Exposure to Grade 7 Big Ideas for all 6th graders</li> <li>Provides access to Algebra for some</li> </ul>	<ul style="list-style-type: none"> <li>Omits critical content from Math 8</li> <li>Placement data serves as gatekeeper for acceleration</li> <li>Not aligned with the drafted CA Framework</li> <li>Necessary support and intervention with struggling students</li> </ul>	<ul style="list-style-type: none"> <li>Requires careful curricular mapping</li> <li>Intentional supports for traditionally underserved students- 7th period flexible 6th grade intervention &amp; Summer Math Camp (20% FTE and summer stipend)</li> <li>Potential Impact on 5th Grade Curriculum</li> <li>Grade level assessments will reflect grade level standards</li> </ul>
		Compressed Math 8 / Algebra 1			
D.1	Math 6	Math 7	<ul style="list-style-type: none"> <li>Allows for complete Math 7, Math 8, and Algebra courses</li> <li>Provides access to Algebra</li> <li>Delays tracking until Grade 8</li> <li>Opens accelerated pathway to all (no compression = open enrollment)</li> <li>Provides flexibility( Apex or in-person course)</li> </ul>	<ul style="list-style-type: none"> <li>Students enrolled in concurrent in-person math courses will have one elective course (Math is the second elective)</li> <li>Not aligned with the drafted CA Framework</li> <li>Stacked sequencing of Math 7 and Math 8</li> </ul>	<ul style="list-style-type: none"> <li>Requires additional FTE</li> </ul>
		Math 8			
D.2	Math 6	Math 7	<ul style="list-style-type: none"> <li>Allows for complete Math 7, Math 8, and Algebra courses</li> <li>Provides access to Algebra</li> <li>Delays tracking until Grade 8</li> <li>Opens accelerated pathway to all (no compression = open enrollment)</li> <li>Provides flexibility (Apex or in-person course)</li> </ul>	<ul style="list-style-type: none"> <li>Not aligned with the drafted CA Framework</li> <li>Apex: Unsupervised testing environment</li> <li>Stacked sequencing of Math 7 and Math 8</li> </ul>	<ul style="list-style-type: none"> <li>Requires additional FTE</li> </ul>
		Math 8			