Suggestions for Using MDTP Assessments to Support Formative Cycles of Teaching and Learning

Articulation from Elementary to Middle School or Middle School to High School

The examples below provide guidelines for using MDTP to inform next-course enrollment options and student preparedness for the topics of mathematics in the upcoming grade-level or course.

MDTP 9th grade assessments were developed in response to SB-359 and are intended to help inform course options for students entering 9th grade courses aligned to the California Common Core State Standards for Mathematics (CA-CCSSM). These tests should be used as *one of multiple measures*, per SB-359 requirements.

The MDTP 9th grade assessment platform will open for regular use in December 2021 after being suspended due to remote learning.

<table>
<thead>
<tr>
<th>Course</th>
<th>Pathway</th>
<th>Purpose</th>
<th>Recommended Test</th>
<th>Administer</th>
</tr>
</thead>
</table>
| Grade 5 CC Math | Advanced Compacted Accelerated | • One of multiple measures to inform preparedness for the mathematics in the next course  
• Inform program reflection and design | Assessment of Preparedness for 7th Grade Mathematics **7M40A15** | Spring Grade 5 |
| Grade 5 CC Math | Regular | • Inform preparedness for the mathematics in the next course  
• Inform program reflection and design | Assessment of Preparedness for 6th Grade Mathematics **6M35A20** | Spring Grade 5 |
| Grade 8 CC Math | Regular | • One of multiple measures to inform 9th grade course options  
• Inform program reflection and design | 9th Grade Assessment **9A40A19** | Spring Grade 8 |
| Grade 8 Algebra 1 | Advanced Compacted Accelerated | • One of multiple measures to inform readiness for geometry  
• Inform program reflection and design | Geometry Readiness Test **GA40D19** | Spring Grade 8 |
| Grade 8 Integrated 1 | Advanced Compacted Accelerated | • One of multiple measures to inform readiness for integrated second year  
• Inform program reflection and design | Integrated Second Year Readiness Test **ISA40D19** | Spring Grade 8 |
## Grade 6: Using MDTP to Engage in Formative Cycles of Teaching and Learning

<table>
<thead>
<tr>
<th>Course</th>
<th>Pathway</th>
<th>Purpose</th>
<th>Recommended Test</th>
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</tr>
</thead>
<tbody>
<tr>
<td>6th Grade CC Math</td>
<td>Regular</td>
<td>• Inform preparedness for the mathematics in the current course</td>
<td>Assessment of Preparedness for 6th Grade Mathematics 6M35A20</td>
<td>Fall Grade 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Gather baseline data and identify strengths, misconceptions, and gaps</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>• Check growth related to intervention focused on identified misconceptions and/or gaps related to grade 6 content</td>
<td>Assessment of Preparedness for 6th Grade Mathematics 6M35A20</td>
<td>2-4 months into Grade 6</td>
</tr>
<tr>
<td></td>
<td>Advanced</td>
<td>• Inform preparedness for the mathematics in the next course</td>
<td>Assessment of Preparedness for 7th Grade Mathematics 7M40A15</td>
<td>Spring Grade 6</td>
</tr>
<tr>
<td>Grade 6 Compacted / Accelerated Grade 6 and 7 content</td>
<td></td>
<td>• Inform preparedness for the mathematics in the next course</td>
<td>Assessment of Preparedness for 7th Grade Mathematics 7M40A15</td>
<td>Fall Grade 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Inform preparedness for the mathematics in the next course</td>
<td>Assessment of Preparedness for 7th Grade Mathematics 7M40A15</td>
<td>Mid-Year Grade 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Inform preparedness for the mathematics in the next course</td>
<td>Assessment of Preparedness for 8th Grade Mathematics 8M40A15</td>
<td>Spring Grade 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Inform preparedness for the mathematics in the next course</td>
<td>Assessment of Preparedness for 8th Grade Mathematics 8M40A15</td>
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<td>• Inform program reflection and design</td>
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<td>• Inform preparedness for the mathematics in the next course</td>
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<td>• Inform preparedness for the mathematics in the next course</td>
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<td></td>
<td>• Inform program reflection and design</td>
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</tbody>
</table>
## Grade 7: Using MDTP to Engage in Formative Cycles of Teaching and Learning

<table>
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<th>Recommended Test</th>
<th>Administer</th>
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</thead>
</table>
| 7th Grade CC Math | Regular                  | • Inform preparedness for the mathematics in the current course  
• Gather baseline data and identify strengths, misconceptions, and gaps                      | Assessment of Preparedness for 7th Grade Mathematics **7M40A15**                   | Fall Grade 7                    |
|                   |                          | • Check growth related to intervention focused on identified misconceptions and/or gaps related to grade 7 content | Assessment of Preparedness for 7th Grade Mathematics **7M40A15**                   | 2-4 months into Grade 7        |
|                   |                          | • Inform preparedness for the mathematics in the next course  
• Inform program reflection and design                                                              | Assessment of Preparedness for 8th Grade Mathematics **8M40A15**                   | Spring Grade 7                  |
| Grade 7           | Compacted / Accelerated Grade 7 and 8 content |                                                                                |                                                                                 |                                 |
|                   |                          | • Inform preparedness for the mathematics in the current course  
• Gather baseline data and identify strengths, misconceptions, and gaps                      | Assessment of Preparedness for 8th Grade Mathematics **8M40A15**                   | Fall Grade 7                    |
|                   |                          | • Check growth related to intervention focused on identified misconceptions and/or gaps related to grades 7 and 8 content | Assessment of Preparedness for 8th Grade Mathematics **8M40A15**                   | Mid-Year Grade 7                |
|                   |                          | • Inform preparedness for the mathematics in the next course  
• Inform program reflection and design                                                              | Algebra/Math 1 Readiness Test **AMR45A19**                                      | Spring Grade 7                  |
### Grade 8: Using MDTP to Engage in Formative Cycles of Teaching and Learning

<table>
<thead>
<tr>
<th>Course</th>
<th>Pathway</th>
<th>Purpose</th>
<th>Recommended Test</th>
<th>Administer</th>
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</thead>
</table>
| 8th Grade CC Math           | Regular                  | • Inform preparedness for the mathematics in the current course  
• Gather baseline data and identify strengths, misconceptions, and gaps                                           | Assessment of Preparedness for 8th Grade Mathematics 8M40A15 | Fall Grade 8                     |
|                             |                          | • Check growth related to intervention focused on identified misconceptions and/or gaps related to Grade 8 content   | Assessment of Preparedness for 8th Grade Mathematics 8M40A15 | 2-4 months into Grade 8         |
|                             |                          | • Provides one of multiple measures to inform geometry or integrated second year course options.  
• Inform program reflection and design                                                                            | 9th Grade Assessment 9A40A19                           | Spring Grade 8                  |
| Grade 8                     | Compacted / Accelerated  | • Inform readiness for the mathematics in the current course  
• Gather baseline data and identify strengths, misconceptions, and gaps                                             | Algebra 1/Integrated Math 1 Readiness Test AMR45A19     | Fall Grade 8                     |
| Algebra 1 or Integrated Math 1 in |                          | • Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra 1 content or | Algebra 1/Integrated Math 1 Readiness Test AMR45A19     | 2-4 months into Grade 8         |
|                             |                          | • Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps                     | Geometry Readiness GR45A19 or Integrated Second Year Readiness ISR45A20 | Mid-Year Grade 8                |
|                             |                          | • Provides one of multiple measures to inform geometry or integrated second year course options.  
• Inform program reflection and design                                                                            | Geometry Assessment GA40D19 or Integrated Second Year Assessment ISA40D19 | Spring Grade 8                  |
### Algebra 1 or Integrated Math I: Using MDTP to Engage in Formative Cycles of Teaching and Learning

<table>
<thead>
<tr>
<th>Course</th>
<th>Pathway</th>
<th>Purpose</th>
<th>Recommended Test</th>
<th>Administer</th>
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</thead>
<tbody>
<tr>
<td>Algebra 1 or</td>
<td>Regular</td>
<td>• Inform readiness for the mathematics in the current course</td>
<td>Algebra 1/Integrated Math 1 Readiness</td>
<td>Fall</td>
</tr>
<tr>
<td>Integrated Math 1</td>
<td></td>
<td>• Gather baseline data and identify strengths, misconceptions, and gaps</td>
<td>Test AMR45A19</td>
<td>Algebra 1/IM1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra 1 content or</td>
<td>Geometry Readiness Test AMR45A19</td>
<td>2-4 months into Algebra 1/IM1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps</td>
<td>Geometry Readiness Test ISR45A20</td>
<td>Mid-Year Algebra 1/IM1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Inform readiness for Geometry or Integrated Math II Readiness</td>
<td>Geometry Readiness Test ISR45A20</td>
<td>Spring Algebra 1/IM1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Check growth from mid-year testing</td>
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<td></td>
<td>• Inform program reflection and design</td>
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<tr>
<td>Advanced Algebra</td>
<td>Compacted/Acc</td>
<td>• Inform readiness for the mathematics in the current course</td>
<td>Algebra 1/Integrated Math 1 Readiness</td>
<td>Fall</td>
</tr>
<tr>
<td>1 or Advanced</td>
<td>llerated</td>
<td>• Gather baseline data and identify strengths, misconceptions, and gaps</td>
<td>Test AMR4519</td>
<td>Algebra 1/IM1</td>
</tr>
<tr>
<td>Integrated Math 1</td>
<td></td>
<td>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra 1 content or</td>
<td>Algebra 1/Integrated Math 1 Readiness</td>
<td>2-4 months into Algebra 1/IM1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps</td>
<td>Geometry Readiness Test GR45A19 or</td>
<td>Mid-Year Algebra 1/IM1</td>
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<td>Integrated Second Year Readiness Test</td>
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<td>ISR45A20</td>
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<td></td>
<td></td>
<td>• Inform readiness for Advanced Geometry or Advanced Integrated Math II</td>
<td>Geometry Readiness Test GR45A19 or</td>
<td>Spring Algebra 1/IM1</td>
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<td></td>
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<td>• Check growth from mid-year testing</td>
<td>Integrated Second Year Readiness Test</td>
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<td></td>
<td></td>
<td>• Inform program reflection and design</td>
<td>ISR45A20</td>
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</tbody>
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### Geometry or Integrated Math 2: Using MDTP to Engage in Formative Cycles of Teaching and Learning

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<th>Pathway</th>
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</thead>
</table>
| Geometry or Integrated Math 2 | Regular          | • Inform readiness for the mathematics in the current course  
• Gather baseline data and identify strengths, misconceptions, and gaps | Geometry Readiness Test **GR45A19 or ISR45A20**  
Geometry Readiness **GR45A19 or ISR45A20**  
Second Year Algebra Readiness Test **SR45A19 or ITR45A20**  
Second Year Algebra Readiness Test **SR45A19 or ITR45A20**  
Second Year Algebra Readiness Test **SR45A19 or ITR45A20** | Fall: Geometry/IM2  
2-4 months into Geometry/IM2  
Mid-Year: Geometry/IM2  
Spring: Geometry/IM2 |
| Advanced Geometry or Advanced Integrated Math 2 | Advanced / Accelerated | • Check growth related to intervention focused on identified misconceptions and/or gaps related to Geometry or Integrated II content or  
• Gather baseline data for next course readiness and identify strengths, misconceptions, and gaps  
• Inform readiness for Algebra II or Integrated Math III  
• Check growth from mid-year testing  
• Inform program reflection and design | Second Year Algebra Readiness Test **SR45A19 or ITR45A20**  
Second Year Algebra Readiness Test **SR45A19 or ITR45A20**  
Second Year Algebra Readiness Test **SR45A19 or ITR45A20** | Fall: Geometry/IM2  
2-4 months into Geometry/IM2  
Mid-Year: Geometry/IM2  
Spring: Geometry/IM2 |
### Algebra II or Integrated Math 3: Using MDTP to Engage in Formative Cycles of Teaching and Learning

<table>
<thead>
<tr>
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<th>Recommended Test</th>
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</tr>
</thead>
</table>
| Advanced Algebra 2 or Advanced Integrated Math 3 | Advanced (includes Pre-calculus topics) | • Inform readiness for the mathematics in the current course  
• Gather baseline data and identify strengths, misconceptions, and gaps | Second Year Algebra Readiness Test SR45A19 or Integrated Third Year Readiness Test ITR45A20 | Fall Algebra 2/IM3 |
| | | • Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra II or Integrated III content | Second Year Algebra Readiness Test SR45A19 or Integrated Third Year Readiness Test ITR45A20 | 2-4 months into Algebra 2/IM3 |
| | | • Check on readiness for Precalculus topics | Precalculus Readiness Field Test PR45D21 or Mathematical Analysis Readiness Test MR45A08 | Mid-Year Algebra 2/IM3 |
| | | • Inform readiness for Calculus or Precalculus  
• Inform program reflection and design | Calculus Readiness CR45A12 | Spring Algebra 2/IM3 |
| Algebra 2 or Integrated Math 3 | Regular | • Inform readiness for the mathematics in the current course  
• Gather baseline data and identify strengths, misconceptions, and gaps | Integrated Third Year Readiness Test ITR45A20 | Fall Algebra 2/IM3 |
| | | • Check growth related to intervention focused on identified misconceptions and/or gaps related to Algebra II or Integrated III content | Integrated Third Year Readiness Test ITR45A20 | 2-4 months into Algebra 2/IM3 |
| | | • Inform readiness for Precalculus or other coursework  
• Inform program reflection and design | Precalculus Readiness Field Test PR45D21 Mathematical Analysis Readiness Test MR45A08 | Spring Algebra 2/IM3 |
## Precalculus and Calculus: Using MDTP to Engage in Formative Cycles of Teaching and Learning

<table>
<thead>
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<th>Recommended Test</th>
<th>Administer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precalculus</td>
<td>Regular /</td>
<td>• Inform readiness for the mathematics in the current course</td>
<td>Precalculus Readiness Field Test <a href="#">PR45D21</a> or Mathematical Analysis Readiness Test <a href="#">MR45A08</a></td>
<td>Fall Precalculus/MA</td>
</tr>
<tr>
<td>or Math Analysis</td>
<td>Honors</td>
<td>• Gather baseline data and identify strengths, misconceptions, and gaps</td>
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<tr>
<td></td>
<td></td>
<td>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Precalculus or Math Analysis content</td>
<td>Precalculus Readiness Field Test <a href="#">PR45D21</a> or Mathematical Analysis Readiness Test <a href="#">MR45A08</a></td>
<td>2-4 months into Precalculus/MA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Check on readiness for Calculus topics</td>
<td>Calculus Readiness Test <a href="#">CR45A12</a></td>
<td>Mid-Year Precalculus/MA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Inform readiness for Calculus or other course options</td>
<td>Calculus Readiness Test <a href="#">CR45A12</a></td>
<td>Spring Precalculus/MA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Inform program reflection and design</td>
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</tr>
<tr>
<td>Calculus</td>
<td>AP or Non-AP</td>
<td>• Inform readiness for the mathematics in the current course</td>
<td>Calculus Readiness Test <a href="#">CR45A12</a></td>
<td>Fall Calculus</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Gather baseline data and identify strengths, misconceptions, and gaps</td>
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<tr>
<td></td>
<td></td>
<td>• Check growth related to intervention focused on identified misconceptions and/or gaps related to Calculus</td>
<td>Calculus Readiness Test <a href="#">CR45A12</a></td>
<td>2-4 months into Calculus</td>
</tr>
</tbody>
</table>