Inside this Issue

- New CCSSM-aligned field-tests and Written Response Items (page 2)
- MDTP’s 9th Grade Placement Package (page 2)
- The MDTP Assessment System (page 3)
- MDTP Tests (page 4)
- Regions and MDTP Site Offices (page 4)
- MDTP Contacts (page 5)

MDTP’s Mission and Vision

**Vision:** MDTP *envisions* that all California students will achieve mathematical preparedness for and success in college-level mathematics courses.

**Mission:** MDTP achieves this *vision* by developing and providing diagnostic tools and training to support California mathematics educators in preparing students for success in current and subsequent mathematics courses.

CSU/UC Mathematics Diagnostic Testing Project
MDTP is enlisting schools to participate in field-testing four readiness tests aligned to the California Common Core State Standards for Mathematics (CA CCSSM).

The Middle School Entry-level Diagnostic Field Test (MS35D18) assesses students' readiness in foundational topics necessary for success in a California Common Core entry-level middle school mathematics course. Field-testing should occur in Grade 6 classrooms.

The High School Mathematics Readiness Field Test (HS45D18) assesses students' readiness in foundational topics necessary for success in a California Common Core high school mathematics course such as Algebra 1 or Integrated Math 1 as defined in the Mathematics Framework for California Schools.

The Geometry Readiness Field Test (GR45D18) assesses students' readiness in foundational topics necessary for success in a California Common Core geometry course as defined in the Traditional Pathway in the Mathematics Framework for California Schools.

The Second Year Algebra Readiness Field Test (SR45D18) assesses students' readiness in foundational topics necessary for success in a Common Core second year algebra course as defined in the Traditional Pathway in the Mathematics Framework for California Schools.

Field-test participants agree to test within the first six weeks of their course and then administer a posttest for the next level and complete a teacher survey in the spring. Field tests are available on the free MDTP Online testing platform and in test booklet form.

Order Field Tests at: http://mdtp.ucsd.edu/k12-users/order-tests.html

MDTP invites teachers from CA CCSSM classrooms to field test newly crafted Written Response Items (WRIs).

MDTP WRIs provide formative opportunities for students to think, reason and communicate effectively about mathematics. MDTP WRIs are open response assessments that can be used to support instructional shifts assessed on SBAC Performance Tasks.

We invite you to explore the wide course-range of released WRIs and use them as one tool to strengthen your students' understanding of mathematics.

⇒ To field test new items, please contact mdtp@ucsd.edu.
⇒ Download released Written Response Items at: http://mdtp-wri.ucsd.edu/

In response to Senate Bill 359 (SB-359) California Mathematics Placement Act of 2015, MDTP offers placement tools and suggestions for appropriate use.

MDTP supports schools enact the following two articles of Section 2 of the Senate Bill:

1) Spring Implementation: Enact a fair, objective, and transparent placement policy using multiple measures which may include placement tests aligned to state-adopted content standards (SB-359 Sec. 2.51224.7 (1))

2) Fall Implementation: Include at least one placement check point within the first month of the school year (SB-359 Sec. 2.51224.7 (2))

For fall implementation, we recommend MDTP course-level readiness tests to support the mandated placement check point and provide teachers with detailed diagnostic data around their students’ readiness for the mathematics in their placed course. The following Readiness Tests are recommended to support Section 2, Article 2 of SB-359:

- **High School Readiness Test** (HS45A15) for students entering an entry-level Common Core math course in 9th grade such as Algebra 1 or Integrated Math 1
- **Geometry Readiness Field Test** (GR45D18) for students enrolled in a Common Core first course in geometry
- **Integrated Second Year Readiness Test** (IS45A17) for students enrolled in a Common Core second year integrated mathematics course

For spring implementation, we offer the following MDTP Placement tests:

- **High School Assessment** (HSA) for students in 8th grade Common Core math in the spring and entering an entry-level math course in 9th grade
- **Geometry Placement Test** (GP) for students in 8th grade Common Core Algebra 1 in the spring
- **Integrated Second Year Placement Test** (ISP) for students in 8th grade Common Core Integrated Math 1 in the spring

⇒ Note: MDTP does not publish or offer placement criteria for using MDTP Placement Tests

MDTP provides free online testing for Readiness and Placement testing. Our online platforms allow unlimited access to MDTP tests and instant student results. The readiness tests are available also in paper versions with local scoring at MDTP Regional Offices (see page 5).

The MDTP Assessment System

• The MDTP assessment system provides three instruments for secondary educators to use in support of our vision that all California students will achieve mathematical preparedness for, and success in, college-level mathematics courses:
  - MDTP data results support mathematics educators to purposefully plan and intervene to prepare students for college-level mathematics by achieving success in their current course content.
  - MDTP assessments are organized by course, topic, and skill through the progression of students’ secondary mathematics learning, are aligned to California standards for mathematics, and span from grades six through twelve.
  - Explore the appropriate and effective uses of the Readiness Tests, 9th grade Placement Tests, and Written Response Items below.

MDTP Readiness Testing

MDTP Readiness Tests measure students’ preparedness for the foundational topics of their current or subsequent course of study. The diagnostic data should be used as a formative assessment to help teachers understand students’ mathematical strengths and areas of unfinished learning to inform instruction and interventions, to evaluate course readiness, to measure program growth, and to identify content for professional learning.

Fall Implementation: The Start of a Formative Assessment Cycle

Early-course MDTP results inform student readiness around MDTP topics, and item-level results can illuminate student thinking around the key concepts of mathematics. Analyses inform knowledge about student and class strengths, common misconceptions, gaps of content knowledge, and areas where intervention is needed.

Mid-Year Growth Analysis: The Next Formative Assessment Cycle

Mid-year analyses reflect student progress in response to the enactment of instructional intervention with the goal to close gaps and remedy misconceptions. Mid-year results inform course planning with the purpose of providing just-in-time instruction to support students’ access to the course content.

End-of-Year Program Analysis And Next Course Readiness

End-of-year analyses inform students’ next-course readiness and determine program strengths and potential areas for program growth. Educators can use end-of-year results to inform instructional changes designed to improve student readiness for their next teaching year. These results could also be used to determine the effectiveness of instructional adjustments made in response to prior MDTP data.

MDTP Placement Testing

MDTP Placement Tests provide one reliable indication of the extent to which a student’s current mathematical proficiency matches the skills and knowledge needed for success in a 9th grade math course. The diagnostic results should be used as one measure within a set of multiple measures to inform appropriate options for students’ mathematical engagement in coursework towards college preparation. The diagnostic feedback from placement tests can used to inform program reflection and design.

Spring Implementation: Inform Placement

Assess exiting 8th grade students using one of three MDTP Placement Tests as one measure to inform options for placement (see page 2 for test information).

Fall Implementation: Check Placement

Assess entering 9th grade students using the course appropriate MDTP Readiness Test to check placement and use diagnostically to inform instruction (see page 4 for test information).

MDTP Written Response Items

MDTP open-ended Written Response Items (WRIs) are designed to provide opportunities for students to reason, think, and communicate effectively about mathematics. Each written response item is accompanied by a teacher-scoring rubric and problem essence statement. Student responses provide teachers with a detailed view of each student’s conceptual grasp of a topic aligned to MDTP Readiness and Placement tests.

WRIs engage students throughout the year in rich tasks supporting the instructional shifts of the Common Core classroom. See page 2 to order and field-test new items.
## MDTP RELEASED DIAGNOSTIC TESTS
for Secondary Education (See page 2 for new field tests)

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Description</th>
<th>Test Code</th>
<th>Test Status</th>
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</thead>
<tbody>
<tr>
<td><strong>Tests Aligned to the California Common Core State Standards for Mathematics</strong></td>
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<tr>
<td><strong>Grade 7 Readiness</strong></td>
<td>Measures readiness for a grade 7 Common Core math course. This test replaces Prealgebra Readiness. (See page 2 for field test for Grade 6.)</td>
<td>7R40A15</td>
<td>Released 2015</td>
</tr>
<tr>
<td><strong>Grade 8 Readiness</strong></td>
<td>Measures readiness for a grade 8 Common Core math course or a compacted grade 7/8 course. This test replaces Prealgebra Readiness.</td>
<td>8R40A15</td>
<td>Released 2015</td>
</tr>
<tr>
<td><strong>High School Readiness</strong></td>
<td>Measures readiness for a first year high school mathematics course such as Algebra I, Integrated Math I, or compacted Grade 8 Math and Algebra I/Math I Common Core courses. This test replaces Algebra Readiness.</td>
<td>HS45A15</td>
<td>Released 2015</td>
</tr>
<tr>
<td><strong>Integrated Second Year Readiness</strong></td>
<td>Measures readiness for a second year integrated mathematics Common Core course.</td>
<td>IS45A17</td>
<td>Released 2017</td>
</tr>
<tr>
<td><strong>Integrated Third Year Readiness</strong></td>
<td>Measures readiness for a third year integrated mathematics Common Core course.</td>
<td>IT45A17</td>
<td>Released 2017</td>
</tr>
<tr>
<td><strong>Pre-Common Core Released Tests</strong></td>
<td></td>
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<tr>
<td><strong>Geometry Readiness</strong></td>
<td>Measures readiness for a geometry course following a traditional Algebra I pre-Common Core math course. (See page 2 for new Common Core aligned field test.)</td>
<td>GR45A06</td>
<td>Released 2006</td>
</tr>
<tr>
<td><strong>Second Year Algebra Readiness</strong></td>
<td>Measures readiness for an Algebra 2 or Intermediate Algebra course following a traditional Geometry pre-Common Core math course. (See page 2 for new Common Core aligned field test.)</td>
<td>SR45A06</td>
<td>Released 2006</td>
</tr>
<tr>
<td><strong>Mathematical Analysis Readiness</strong></td>
<td>Measures readiness for success in a trigonometry, precalculus, or mathematical analysis math course.</td>
<td>MR45A08</td>
<td>Released 2008</td>
</tr>
<tr>
<td><strong>Calculus Readiness</strong></td>
<td>Measures readiness for success in a first-year calculus math course offered in high school.</td>
<td>CR45A12</td>
<td>Released 2012</td>
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</tbody>
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Older released versions of MDTP tests may be available online or in paper form (depending on availability) and can be requested by contacting mdtp@ucsd.edu.
# CSU/UC Mathematics Diagnostic Testing Project

## MDTP REGIONS

<table>
<thead>
<tr>
<th>CORRESPONDING COUNTIES</th>
<th>MDTP SITES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Berkeley</strong></td>
<td><strong>UC Berkeley</strong></td>
</tr>
</tbody>
</table>
| Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Sonoma, and Stanislaus counties | Emilio Gomez, Site Director  
Office: (510) 642-0752  
Jaqueline Frias, Coordinator  
Office: (510) 642-0846  
Email: mdtp@math.berkeley.edu |
| **Chico**               | **CSU Chico** |
| Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Nevada, Plumas, Shasta, Sierra, Siskiyou, Tehama, Trinity, and Yuba | Sergei Fomin, Site Director  
Office: (530) 898-5274  
Email: mdtp@csuchico.edu |
| **Davis**               | **UC Davis** |
| Alpine, Amador, Calaveras, El Dorado, Placer, Sacramento, San Joaquin, Solano, Sutter, and Yolo | Julie Mustard, Coordinator  
Office: (530) 754-9504  
Email: mdtp@ucdavis.edu |
| **Fresno**              | **CSU Fresno** |
| Fresno, Inyo, Kern, Kings, Madera, Mariposa, Merced, Mono, southern San Benito, Tulare, and Tuolumne | Agnes Tuska, Site Director  
Office: (559) 278-4773  
Devonna Butler, Coordinator  
Office: (559) 278-2512  
Email: agnest@csufresno.edu  
Email: devonna@mail.fresnostate.edu |
| **Fullerton**           | **CSU Fullerton** |
| Orange county and schools in Los Angeles, Riverside, and San Bernardino counties near Fullerton | David Pagni, Site Director  
Office: (657) 278-2671  
Angela Hoang, Coordinator  
Office: (657) 278-2691  
Email: mdtp@fullerton.edu |
| **Los Angeles**         | **UC Los Angeles** |
| Los Angeles and Ventura counties, except for schools closer to Fullerton | Mary Sirody, Site Director  
Office: (310) 825-0798  
Nora Perez, Coordinator  
Office: (310) 825-9477  
Email: mdtp@ucla.edu |
| **San Bernardino**      | **CSU San Bernardino** |
| San Bernardino and Riverside counties, except schools closer to Fullerton or San Diego | Giovanna Llosent, Site Director  
Office: (909) 537-3604  
Ana Sanchez, Coordinator  
Office: (909) 537-7670  
Email: mdtp@csusb.edu |
| **San Diego**           | **UC San Diego** |
| Imperial, Riverside, and San Diego counties, except schools closer to San Bernardino or Fullerton | Ann Trescott, Site Director  
Office: (858) 534-3298  
Deanna Khan, Coordinator  
Office: (858) 534-3373  
Email: mdtpsandiego@ucsd.edu |
| **San Luis Obispo and Santa Cruz** | **Cal Poly San Luis Obispo** |
| San Luis Obispo, Santa Barbara, Monterey, northern San Benito, Santa Clara, and Santa Cruz  
(Note: The CSU SLO regional office now supports the UC Santa Cruz region.) | Kate Riley, Site Director  
Office: (805) 756-2445  
Dale Wilbur, Coordinator  
Email: kriley@calpoly.edu  
Email: dwilbur@calpoly.edu |
Teachers should contact the MDTP Site Director's Office (listed on page 5) that serves their geographic region to order materials, resources, and area outreach services.

**Online Testing, Out-of-State Testing, and Post-Secondary Testing**
For assistance with online testing, ordering tests, and out-of-state licenses or post-secondary licenses:

Adana Martinez and Eric Snee, *MDTP Coordinators*
Call: (858) 822-2590 or (858) 534-7915 or email: mdtp@ucsd.edu

**Financial Analyst**
For financial support:

Kelley Rollans, *MDTP Fiscal Analyst*
Call: (858) 534-4519 or email: krollans@ucsd.edu

**Outreach and Support**
For outreach and instructional resources:

Ann Trescott, *MDTP Outreach Coordinator*
Call: (858) 534-3298 or email: atrescott@ucsd.edu

**Director**

Kimberly Samaniego, Ed. D., *Director MDTP Statewide*
Email: ksamaniego@ucsd.edu