

Grant Funded

MDTP is provided with the support of the Trustees of the California State University, the Regents of the University of California, and the [California Academic Partnership Program](#).



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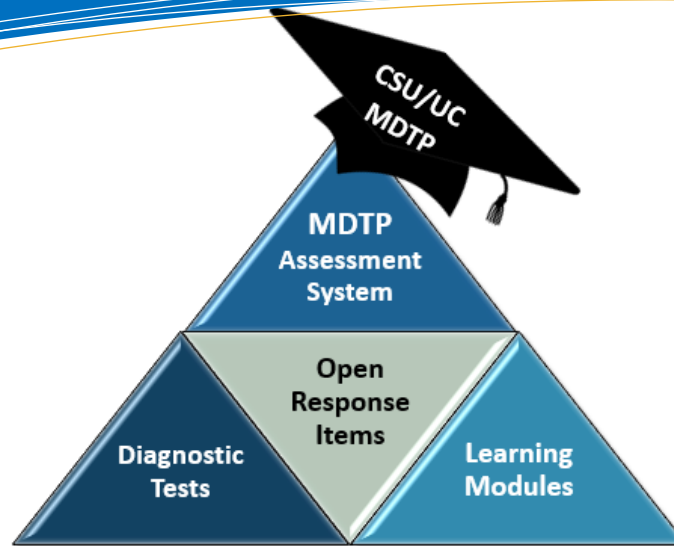
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NEW ONLINE PROGRAMMING MDTP - One-stop Shop!

Access all **MDTP FREE** assessments from the [MDTP Online Diagnostic Testing System](#). Log in today or [request access](#) to see:

- **MDTP Assessments of Preparedness and Readiness Tests** that assess students' preparedness in foundational topics of mathematics. New programming shows tier-level performance in MDTP Topics (see p.2-4).
- **MDTP Written Response Items (WRI)** that elicit student thinking and reasoning around foundational topics and concepts. Access prompts directly from the MDTP Diagnostic Platform (see p.5).
- **MDTP Formative Constructed Response Items (FCRI)** that provide a quick check on a key topic or concept after students have received focused intervention or instruction. Access prompts directly from the MDTP Diagnostic Platform (see p.5).
- **MDTP Learning Modules** that support students' independent practice in identified MDTP topics to review content before or after an assessment, prior to entering a new course, or at the direction of their math instructor. Link to lessons directly from the MDTP Diagnostic Platform (see p.6).

CSU/UC Mathematics Diagnostic Testing Project

CSU The California State University



WORKING FOR CALIFORNIA

UNIVERSITY OF CALIFORNIA

NEW! Tier-level Reporting for MDTP Topics

New programming on the MDTP Online Platform aligns students' topic readiness to three tier levels. Tier performance helps students to consider their readiness as a continuum of learning that can improve over time and helps teachers to support students access their course content.

Tier 1	Demonstrated readiness for the content in this topic needed for success in this course
Tier 2	Approaching readiness for the content in this topic needed for success in this course
Tier 3	Below readiness for the content in this topic needed for success in this course

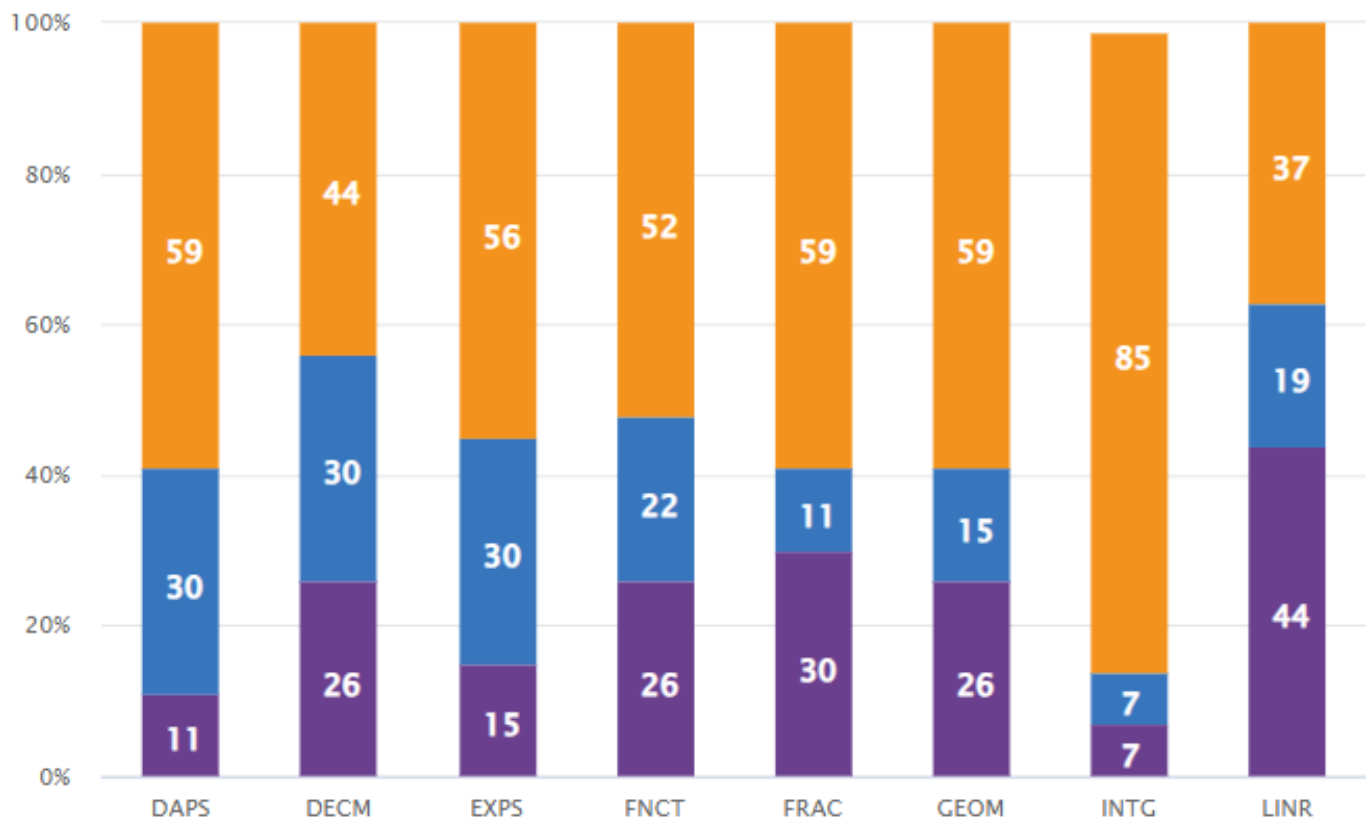
The graph below (**Tier Levels by Topic**) shows one class's performance on MDTP Topics from an Integrated Math 1 Readiness Test taken in the fall.

Tiers help to identify topics where most of the class is ready for whole class instruction (Tier 1), or when bridging (Tier 2) and focused intervention (Tier 3) are needed.

In this example, 85% of the students demonstrate readiness for Integers (INTG) while 44% of students show that focused intervention is needed for Linear Equations and Inequalities (LINR). (Due to rounding, not all bars add to 100%.)

Tier Levels by Topic

Each colored section represents the total percentage of students in each tier by topic. Click on the highlighted sections in each bar to see the questions in that topic for students in that tier.

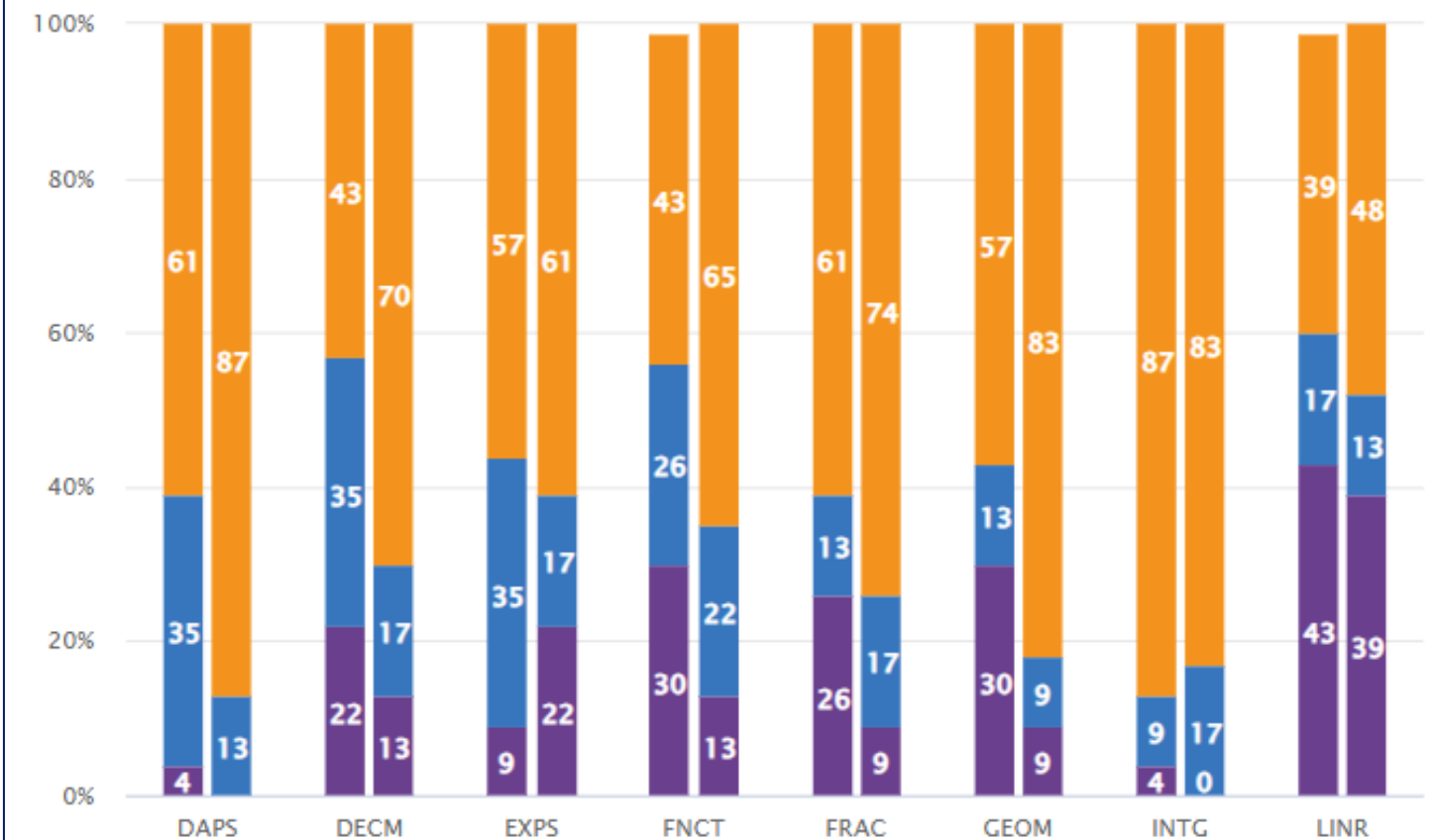


Tier-level Reporting for Comparing Topic Performance

This graph below (**Tier Levels by Topic**) compares tier-level growth by topic for the same class taking the same assessment again in January (see p.2). Note: Comparison graphs only report for students who took the same assessment in September and January; therefore, percentages for the fall in this graph are slightly different than those shown on page 2.

Tier Levels by Topic

Each colored section represents the total percentage of students in each tier by topic. Click on the highlighted sections in each bar to see the questions in that topic for students in that tier. For each topic, the left bar represents student data from 08/15/2024 and the right bar represents student data from 01/22/2025.



The graph shows growth in all topics except INTG; however, this topic is still a strength and was a strength during the fall administration.

The topics showing the most growth are Decimal & Percents; Absolute Value (DECM), Data Analysis and Statistics (DAPS), and Geometric Measurement & Coordinate Geometry (GEOM). LINR remains the topic indicating the most need for intervention with 39% at Tier 3. Note: Due to rounding, not all bars add to 100%.



Learn more about MDTP's recommendations for [When to Administer MDTP FREE Diagnostic Tests](#) for all levels throughout the school year.

NEW! Tier-level Reporting for MDTP Topics on Student Letters

Bring students into the learning. Email or download MDTP Student Letters

Student letters align MDTP Topic performance to tiers as shown in the example letter below. Educators should share the results of MDTP diagnostic tests with their students to engage them in formative learning around their current readiness by topic. Emphasizing that readiness is a construct that is malleable and changing takes the focus away from an overall score and supports a growth mindset.

California State University/University of California
Mathematics Diagnostic Testing Project

Results for MDTP test completed on September 12, 2024 Mary Jackson Tech High

To: Student

Here are the diagnostic results from the Algebra 1/Integrated Math 1 Readiness Test (AMR45A19) that you recently completed. Your scores in each topic represent your current readiness level for questions in that topic by tiers. MDTP considers that students scoring in the Tier 1 range have correctly answered the required number of questions to show adequate readiness in that topic.

	Your Score	Tier 1 Level	Total Possible
Tier 1: Your results indicate that you have demonstrated readiness in the following topics:			
Data Analysis & Probability & Statistics	4	3	5
Exponents & Square Roots; Scientific Notation	3	3	4
Integers	3	3	4
Tier 2: Your results indicate that you are approaching readiness in the following topics:			
Decimals, including Applications; Percents; Absolute Value	3	4	6
Geometry	4	5	8
Linear Equations & Inequalities	4	5	7
Tier 3: Your results indicate that you are below readiness in the following topics:			
Functions & their Representations	1	4	5
Fractions, including Applications	2	4	6

We hope you find this information helpful. Please contact your instructor for learning experiences that will support you in these topics.

[Learn about MDTP diagnostic tests and
REQUEST FREE ACCESS](#)



One-Stop Shop! Find All Resources in One Place

Educators can find all MDTP Resources when they log into their MDTP Online Accounts

MDTP Open-Response Items

MDTP offers two types of open-response items when you log into your MDTP account.

- **MDTP Written Response Items (WRIs)** are designed to elicit student thinking and quantitative reasoning around foundational mathematical topics and concepts. Each MDTP WRI aligns to MDTP topics on [MDTP diagnostic assessments](#), and many items can be used at a variety of levels of mathematics study. See [Written Response Items](#) for engagement suggestions.
- **MDTP Formative Constructed Response Items (FCRIs)** are aligned to specific problems found on [MDTP diagnostic tests](#) by topic. They are designed to provide a short and focused post-intervention assessment of students' understanding of a key mathematical topic or concept and should be administered to students after they have taken an [MDTP Assessment of Preparedness or Readiness Test](#) and have engaged in post-testing instructional intervention. [See Formative Constructed Response Items](#).

From your Teacher Dashboard, go to Open Response Items and select WRIs or FCRIs.

MDTP DIAGNOSTIC

Schools ▾ Classes ▾ Resources ▾ Open Response Items ▾

MDTP Teacher

Add an Admin Add a Teacher Add a Class Assign a Test

Viewing Current Terms: School Year 2025-2026 / Summer 2025 / Fall 2025

District Schools

School Name

Mary Jackson Tech High

You can filter by **MDTP Topic** and by **First Appropriate Course** (when students first learn this). Items can be downloaded from the blue hyperlink as a PDF file to print. Each item has a prompt, an Essence Statement, and a 4-point scoring Rubric (WRI) or Guidelines to Assess Learning (FCRI).

Filter by: INTG 7th Grade Filter Reset Filter

MDTP TOPIC	TITLE AND TOPIC	DESCRIPTION	FIRST APPROPRIATE COURSE
INTG	Blocks (AR96BLOX) Integers	Students use operations on integers to find different combinations of weights of blocks.	7th Grade
2 INTG	Balance (INTG2OOPS) Integers	Students will use integers in context to determine balances in an account over time.	7th Grade
3 INTG	Darts (PRO5DART) Integers	Students will find the sum of six integers under different situations and determine if their operations meets a certain criteria.	7th Grade

One-Stop Shop! Find All Resources in One Place

Educators can find all MDTP Resources when they log into their MDTP Online Accounts

MDTP Learning Modules

MDTP Learning Modules are informed by the diagnostic results from MDTP assessments to support students' independent practice in an identified MDTP Topic.

Each Module is divided into lessons, and each lesson consists of **Learning Experiences**, which include exploration (*Explore*), guided examples (*Try This!*), instructional videos (*Watch*), making connections (*Making Connections*) and practice (*Practice*).

From your Teacher Dashboard, go to Resources and select MDTP Modules

MDTP DIAGNOSTIC

Schools ▾ Classes ▾ Resources ▾ Open Response Items ▾

Tutorials
Test Descriptions
MDTP Modules

MDTP Teacher Add an Admin Add a Teacher Add a Class Assign a Test

Viewing Current Terms: School Year 2025-2026 / Summer 2025 / Fall 2025

District Schools
School Name
Mary Jackson Tech High

You can filter by **MDTP Topic** to access lessons in each MDTP Learning Module which are listed in order of a learning progression. The blue hyperlink takes you directly to the [MDTP Learning Modules](#) where you can browse all lessons from all Modules written for selected MDTP Topics.

MDTP DIAGNOSTIC

Regions ▾ Districts ▾ Schools ▾ Classes ▾ Tests ▾ Admin ▾ Resources ▾ Open Response Items ▾

Filter by: LINR Filter Reset Filter

MDTP TOPIC	MODULE	MODULE TITLE	LESSON	LESSON TITLE
LINR	1	Linear Relationships	1	<u>Linear Patterns in Multiple Representations</u>
LINR	1	Linear Relationships	2	Graphs and Equations of Linear Situations
LINR	1	Linear Relationships	3	Graphs in Slope-Intercept Form
LINR	1	Linear Relationships	4	Writing Equations of Lines
LINR	2	Solving Equations and Inequalities	1	Solving Equations including Absolute Value
LINR	2	Solving Equations and Inequalities	2	Solving Equations and Inequalities (including Absolute Value)

MDTP Diagnostic Tests Recommended for Fall Testing

Grade-Level Assessments of Preparedness – Cohort Middle School Tests

Assessment of Preparedness for Grade 6 Mathematics (6M35A20) Online and paper versions	Assesses preparedness in foundational math topics necessary for success for students entering a 6 th grade mathematics course. <i>First of three middle school cohort tests.</i>
Assessment of Preparedness for Grade 7 Mathematics (7M40A24) Online and paper versions	Assesses preparedness in foundational math topics necessary for success for students entering a 7 th grade mathematics course. <i>Second of three middle school cohort tests.</i>
Assessment of Preparedness for Grade 8 Mathematics (8M40D25)* FIELD TEST Online only	Assesses preparedness in foundational math topics necessary for success for students entering an 8 th grade mathematics course. <i>2nd-year field test and third of three middle school cohort tests.</i>
Assessment of Preparedness for Grade 8 Mathematics (8M40A15) Online and paper versions	Assesses preparedness in foundational math topics necessary for success for students entering an 8 th grade mathematics course. Current released version.

Course-Level Readiness – High School Tests

Algebra 1/Integrated Math 1 (AM45A24, AM45B24, AM45C24) Parallel Versions – Online only	Assesses readiness in foundational math topics necessary for success for students entering an Algebra 1 or Integrated Math 1 course. These parallel versions contain all the questions from the AM45A19.
Algebra 1/Integrated Math 1 (AM45A19) Online and paper versions	Assesses readiness in foundational math topics necessary for success for students entering an Algebra 1 or Integrated Math 1 course. <i>Original test that formed the parallel versions listed above.</i>
Geometry (GR45A19) Online and paper versions	Assesses readiness in foundational math topics necessary for success for students entering a Geometry course.
Integrated Second Year (IS45A20) Online and paper versions	Assesses readiness in foundational math topics necessary for success for students entering an Integrated Math 2 course.
Second Year Algebra (SR45D25, SR45E25, SR45F25)* FIELD TEST Online only	Assesses readiness in foundational math topics necessary for success for students entering an Algebra 2 course. These parallel versions contain all the questions from the SR45A19. <i>Field testing parallel versions ensure the tests are statistically the same.*</i>
Second Year Algebra (SR45A19) Online and paper versions	Assesses readiness in foundational math topics necessary for success for students entering an Algebra 2 (second year algebra) course. <i>Original test that formed the parallel versions listed above.</i>
Integrated Third Year (IT45A20) Online and paper versions	Assesses readiness in foundational math topics necessary for success for students entering an Integrated Math 3 course.
Quantitative Reasoning (QR45D25)* FIELD TEST Online only	Assesses readiness in foundational math topics necessary for success for students entering a non-precalculus 12 th grade math course taken after Algebra 2 or Integrated Math 3.
Precalculus Readiness (PR45A22) Online and paper versions	Assesses readiness in foundational math topics necessary for success for students entering a Precalculus course.
Calculus Readiness (CR45D25)* FIELD TEST Online only	Assesses readiness in foundational math topics necessary for success for students entering a Calculus course
Calculus Readiness (CR45A12) Online and paper versions	Assesses readiness in foundational math topics necessary for success for students entering a Calculus course

**Field testing evaluates the reliability, validity, and predictiveness of MDTP diagnostic tests. Six field tests are available this fall. Contact mdtp@ucsd.edu to learn how you can help.*



[Learn about MDTP diagnostic tests and REQUEST FREE ACCESS](#)

10 FACTs Why Math Teachers Use MDTP

FACT 1: MDTP is FREE! When commercial tests are expensive and fleeting, all MDTP tests, consultations, and services are **free to CA secondary math educators** thanks to funding from **CAPP, UC, and CSU**.

Fact 2: Established in 1977, MDTP remains **one of the only intersegmental math projects** uniting California secondary and postsecondary math educators and outlasting profit-based test companies.

Fact 3: MDTP was written into the California Ed code in 1989 as a state recognized project receiving **accolades** over decades for **quality work and longevity** (see CA Ed Code [Title 3 Article 3.5](#)).

Fact 4: Every MDTP test is **field tested for 3-5 years** using **rigorous statistical measures** to ensure each test is **valid, reliable, and predictive** of students' success.

Fact 5: Highly qualified math faculty spanning the UC, CSU, CCC, high school, and middle school systems form the **MDTP Workgroup**.

Fact 6: The **MDTP Workgroup** creates MDTP tests, reviews statistical analyses from field tests, and governs MDTP policy.

Fact 7: The **MDTP Workgroup** vets each assessment to ensure it is bias free, assesses the appropriate content, and provides reliable and predictive results.

Fact 8: MDTP questions are **designed to illuminate ways students are thinking** about math to help teachers learn what their **students know**.

Fact 9: MDTP data and assessments help teachers **to implement instructional recommendations** from the 2023 CA Mathematics Framework.

Fact 10: Listen to teachers. MDTP hears math teachers claim that MDTP diagnostic data have **more formative value** than other types of assessments.

Contact us to Schedule FREE Professional Development



MDTP is grant funded to provide FREE consultations, training, and workshops:

- Plan a data-driven workshop at your district.
- Invite MDTP to work with you and your colleagues at your school.
- Attend an in-person MDTP regional conference (see [MDTP Regional Sites](#)) for upcoming events.



Let us help you design a testing plan to fit your assessment needs:

- [Determine When to Administer MDTP](#).
- Learn how to access and interpret your MDTP results.
- Learn how to determine what your students know.
- Explore ways to design instruction to support your students' access to content.

Contact Your Local MDTP Regional Office

MDTP at UC Berkeley

Site Director: Dr. Emiliano Gomez Coordinator: Jaqueline Frias mdtp@math.berkeley.edu	(510) 642-0752 (510) 642-0846	Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Sonoma, and Stanislaus counties
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MDTP at UC Davis

Coordinator: Julie Mustard jamustard@ucdavis.edu Outreach: Kimberly Samaniego mdtp@ucsd.edu	(530) 754-9504	Alpine, Amador, Calaveras, El Dorado, Placer, Sacramento, San Joaquin, Solano, Sutter, Yolo, Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Nevada, Plumas, Shasta, Sierra, Siskiyou, Tehama, Trinity, and Yuba
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MDTP at CSU Fresno

Site Director: Dr. Agnes Tuska agnest@csufresno.edu Site Director: Dr. Rajee Amarasinghe ramarasi@csufresno.edu Julie Mustard, Coordinator jamustard@ucdavis.edu	(559) 278-4136 (530) 754-9504	Fresno, Inyo, Kern, Kings, Madera, Mariposa, Merced, Mono, San Benito, Santa Clara, Santa Cruz, Tulare, and Tuolumne
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MDTP at CSU Fullerton

Site Director: Dr. David Pagni Coordinator: Angela Hoang mdtp@fullerton.edu	(657) 278-2671 (657) 278-2691	Orange county and schools in Los Angeles, Riverside, and San Bernardino counties near Fullerton
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MDTP at UC Los Angeles

Coordinator: Nora Perez Outreach Facilitators: Isai Lopez and Helen Chan mdtp@ucla.edu	(310) 825-0798	Los Angeles, Monterey, San Luis Obispo, Santa Barbara, and Ventura except school closer to Fullerton
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MDTP at CSU San Bernardino

Site Director: Dr. Giovanna Lloset mdtp@csusb.edu Coordinator: Nora Perez mdtp@ucla.edu	(909) 537-3604 (310) 825-0798	San Bernardino and Riverside, except schools closer to Fullerton or San Diego
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MDTP at UC San Diego

Coordinator: Deanna Khan mdtpsandiego@ucsd.edu Outreach Facilitator: Carol Treglio cetreglio@gmail.com	(858) 534-3373	Imperial, Riverside, and San Diego, except schools closer to San Bernardino or Fullerton
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MDTP at CSU San Luis Obispo

This MDTP site has been permanently closed. See CSU Fresno and UC Los Angeles for county reassignments.

Contact The MDTP Director's Office

Email us at: mdtp@ucsd.edu

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