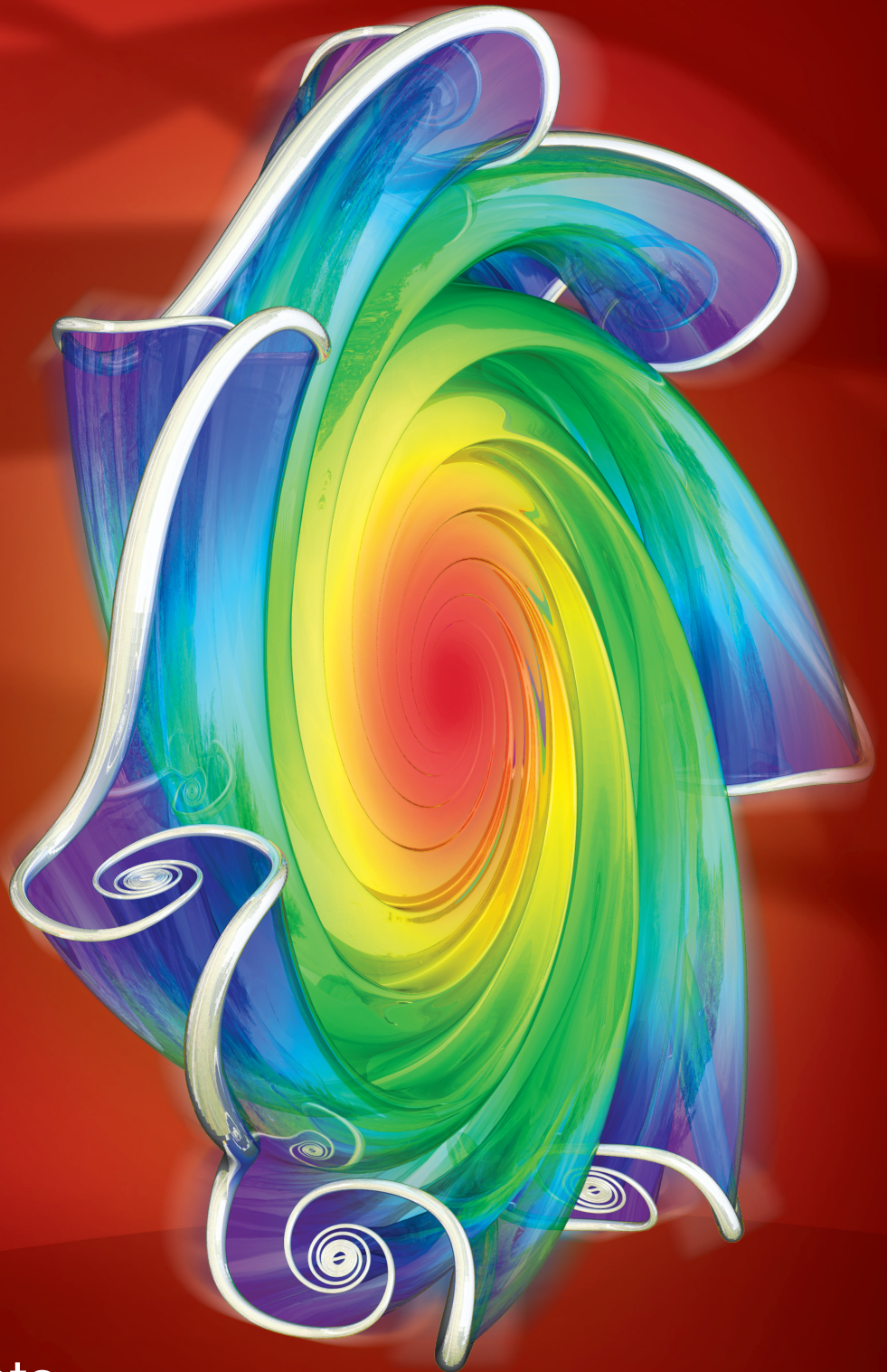McGraw Hill

TEXAS
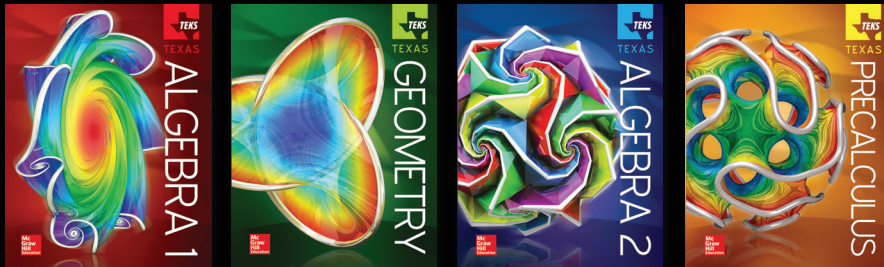
Empower students
to achieve...let them
LIVE the math!

There's a powerful new solution for math success in Texas.

You work hard to get your students excited about math while preparing them to meet the TEKS. A strong curriculum is a must. When it's integrated with digital tools, it has the power to make teaching and learning more engaging, focused, and effective than ever before.

Four Effective Programs

Find a trusted partner.

With a reputation for results and more than 100 years of learning innovation, McGraw Hill is uniquely qualified to show you the possibilities of thoughtfully designed technology. And we're here to help you bring those possibilities to life.

Enjoy new possibilities.

We've added new tools and resources to help you:

- Effortlessly meet the TEKS.
- Excite your students with interactive learning.
- Make assessment fast, accurate, and flexible.

Keep the things you love.

Teachers trust resources from McGraw Hill to support and extend their teaching. Students use them to deepen their understanding. Don't worry; they're not going anywhere.

- Foldables®
- Brain POPS
- Personal Tutors
- H.O.T. (Higher Order Thinking) Problems

Mobile app included!

The *Texas High School Math Series* is the only high school math series that comes with a free mobile app. Your students can use the ReadAnywhere app to:

- Download books and other content to their personal devices.
- View their books even if they don't have web access.
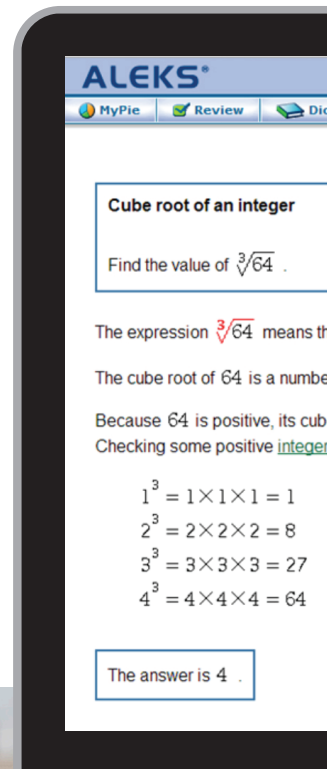- Add notes/comments to their books for teacher review.
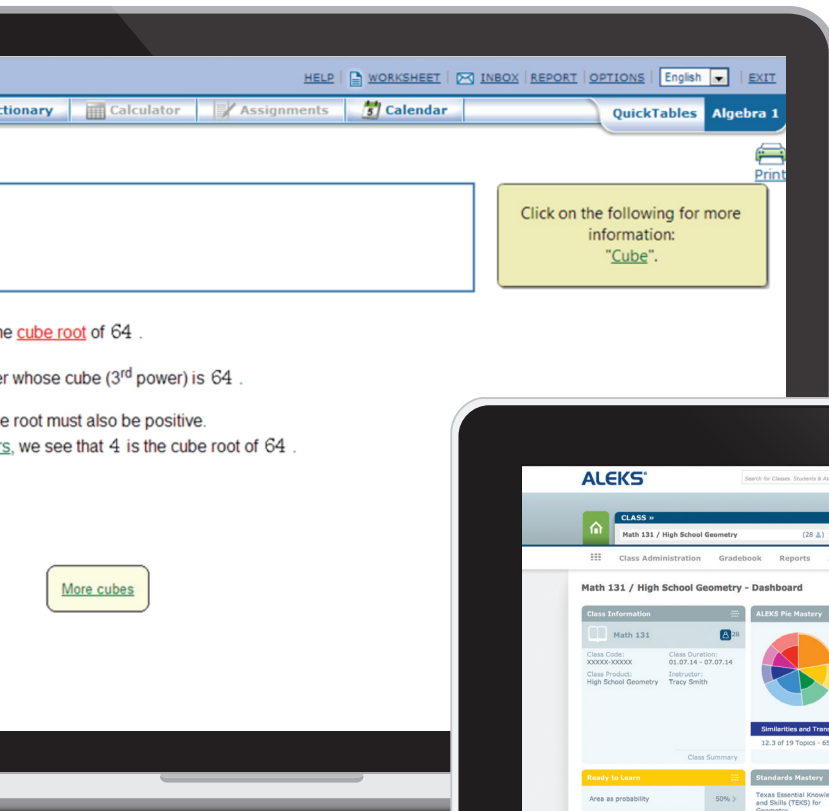
Understand where your students are.

Your students' math abilities are as diverse as they are. Meet them at the door with resources that help you pinpoint crucial learning gaps.

Powered by artificial intelligence, *ALEKS®* is an adaptive learning solution unlike any other. Use it early on to begin a cycle of assessment and learning that keeps your students challenged, supported, and on the road to mastering the TEKS.

This data-driven tool allows you to:

- Pre-assess students to target critical gaps in math knowledge.
- Predict, with 97% accuracy, what students are ready to learn next.
- Access real-time, detailed progress reports you can share with your students.

ALEKS®

MyPie | Review | Dic

Cube root of an integer

Find the value of $\sqrt[3]{64}$.

The expression $\sqrt[3]{64}$ means th

The cube root of 64 is a numbe

Because 64 is positive, its cub
Checking some positive integer

$$1^3 = 1 \times 1 \times 1 = 1$$
$$2^3 = 2 \times 2 \times 2 = 8$$
$$3^3 = 3 \times 3 \times 3 = 27$$
$$4^3 = 4 \times 4 \times 4 = 64$$

The answer is 4 .

Trust *ALEKS*® for intelligent guidance along the way.

The intuitive technology in *ALEKS*® goes far beyond pre-assessments to keep you informed and focused on each student's success throughout the year. It ensures that all students get the structure and practice they need.

ALEKS® enables you to:

- Continually identify and address students' knowledge gaps.
- Create an intuitive pathway that leads to personalized learning.
- Create an open-response environment that adds rigor to your teaching.
- Focus on classroom instruction.

Plan to excel.

Our online lesson planning tools make it easy to stay days, weeks—even months ahead. And you can have complete confidence that your students will learn what they need to know.

Planning and presenting

Set your course for 100% TEKS achievement.

Getting your students where they need to go takes thoughtful planning from day 1. That's why every program in the *Texas High School Math Series* comes with instant access to our online Teacher Center.

This on-demand resource supports your efforts with:

- Customizable lesson plans that fit your district's scope and sequence.
- Pre-built lessons that are 100% aligned with the TEKS.
- Flexibility to add resources from our digital library or the Web.

With just a few clicks, you can:

- Assign and manage homework for each of your students.
- Access your eBook, planner, notebook, and eGlossary.
- Search for content by keyword or TEKS.
- Send messages to students and other teachers.

Differentiating instruction

Address the needs of English Language Learners.

These programs are designed for math students at all levels of language acquisition, with:

- 100% coverage of the ELPS in the print and online Teacher Guides.
- Personal Tutors (online student tutorials).
- Spanish translations of Practice Worksheets, Online Study Notebooks, and more.
- Online Spanish student editions for Algebra 1 and Geometry.

Differentiated Instruction AL ELL

IF students have trouble understanding some of the phrases used to indicate inequalities, such as *at most* or *no less than*

THEN have them work in pairs or groups to write word problems using the phrases. Have students write inequalities to represent the problem situations.

ELL **ELPS** c.2.I(4), c.3.B(3), c.3.C(3), c.3.C(4), c.3.D(1), c.3.D(2), c.3.E, c.3.F(1), c.3.F(2), c.3.H(3)

Reach students at all levels of math ability.

Each program in the series contains a wealth of leveled tools and resources to fuel personalized learning and achievement. Woven through every lesson, you'll find strategies for teaching students who are:

- **Approaching level**
- **On level**
- **Beyond level**
- **English Language Learners**

Differentiated Instruction

Lesson Resources	AL	OL	BL	ELL
▤ Study Notebook	●	●	●	●
▤ Study Guide and Intervention	●	●		●
▤ Skills Practice	●	◑		●
▤ Practice	◑	●	●	●

Lessons are full of ways to differentiate instruction. You can:

- Begin with strategies for reaching all your students.
- Tailor examples with leveled questions.
- Address learning needs as they arise with "if/then" call-outs.
- Assign differentiated homework.
- Provide extensions at multiple levels.

TIER 3 Intensive Intervention
2 or more grades below level

TIER 2 Strategic Intervention AL
Approaching grade level
he exercises,

TIER 1 On Level OL
he exercises,
g. 1

IF students miss 25% of the exercises or less,
ndbook

THEN choose a resource:
ntervention
SE Lessons 5-1, 5-2, and 5-3
Go Online!
▤ Skills Practice
▤ Chapter Project
☑ Self-Check Quizzes

Beyond the lesson level, you'll get:

- Assessment options for students of all abilities.
- Unit-level list of differentiated online resources.
- Intervention planners at the beginning, middle, and end of every chapter.

Engage and inspire.

The *Texas High School Math Series* makes math exciting, real, and accessible for all. When students are fully engaged, they're motivated to do their best. Then, the sky's the limit!
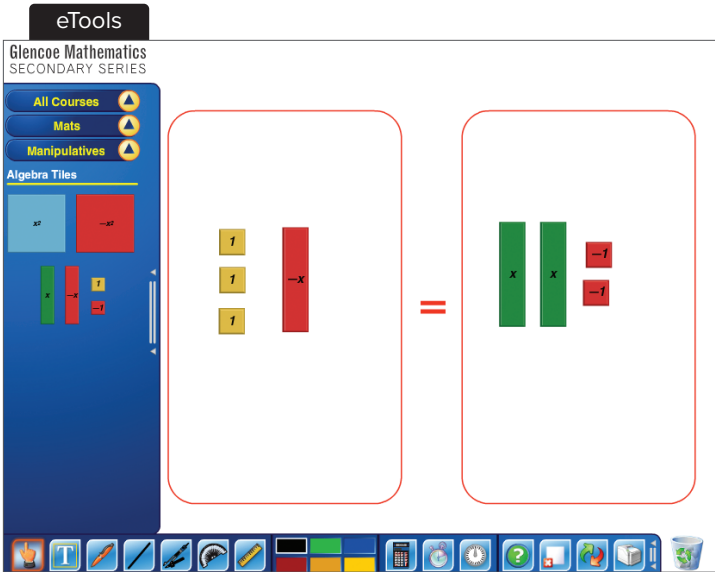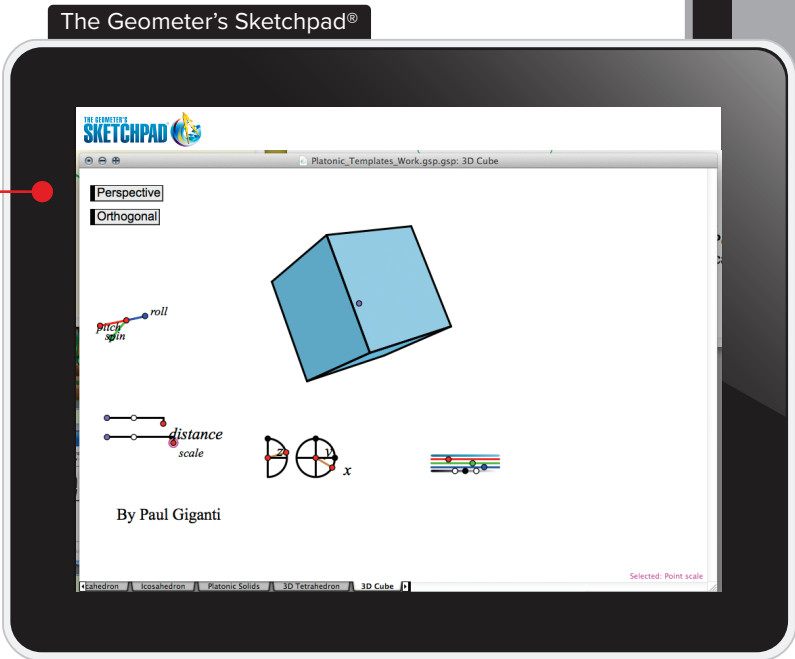
Add a new dimension with dynamic digital tools.

Students respond to electronic media. Make that work in your favor with:

The Geometer's Sketchpad®

These interactive tools give students the ability to:

- Explore independently.
- Visualize complex math concepts.
- See math in action and test it for themselves.

The Geometer's Sketchpad®

eTools

These pre-built lesson enhancers empower students to:

- Explore math concepts with digital representations.
- Develop conceptual understanding with concrete models.
- Visualize ideas in a quick and interactive format.

eTools

OW do you solve a system of equations by g

The solution of this system is (8, 34). This is th
the graphs of the equations.

$y = 2x + 18$

Number of Plants

Time (hours)

SYSTEMS OF LINEAR EQUATIONS

eLessons
These interactive stand-alone or supplemental lessons:

- Come to life on interactive whiteboards and screens of all kinds.
- Contain embedded math activities and games.
- Give students new ways to learn and participate in class.

Real-world skills applications
Relevant math is memorable math. Add value to student learning with:

- **Chapter Projects**, which challenge students to use chapter-level learning to address real-world scenarios.
- **Application and Practice Worksheets**, which contain word problems related to lesson-level skills.
- **H.O.T. (Higher Order Thinking) Problems**

Chapter Project

Name _____ Date _____ Period _____

UPC ABCs

If you were shopping at your favorite store right now, you would probably find that just about any item you might choose has a Universal Product Code (UPC). UPC is a coding system for retail products with machine readable bar codes.

In this project, you will act as a UPC coordinator working with UPC codes. You will also devise your own coding system for identifying, advertising, selling, and tracking products.

Junior Gonzalez/Getty

Brainstorm
Think of the objects on which you have seen bar codes. What are some other possible uses for bar codes?

Research
- Research a career as a UPC coordinator. What education is required? What is the average salary? How does a UPC coordinator use math?
- Research the history and uses of bar code technology. When have they been used in the past, how are they being used now, and how could they be used in the future?
- Find bar codes of three products, all from the same company.
- Find an online bar code generator.

Analyze
Analyze the bar codes of the products you researched. Describe any similarities or differences you see in the numbers below the bars.

Take your students where they need to go.

With the *Texas High School Math Series*, cycles of learning, practice, and assessment help you pinpoint where students need help and keep them on the path to meeting TEKS requirements.

Give them rigorous practice ... and plenty of it.

These programs provide many opportunities for students to achieve mastery.
In every lesson:

- Sample problems illustrate mathematical concepts.
- Check your Understanding problems closely follow and mirror the sample problems to effectively reinforce them.
- Practice problems further extend the concepts students are learning.
- H.O.T. (Higher Order Thinking) Problems deepen students' understanding by prompting them to think about the "why" of math.

Get an inside view of what they've learned and how.

Dual-coded problems are a simple yet effective evaluation tool. In these four programs, they:

- Are located at the end of every lesson and chapter.
- Reveal how your students are connecting content and process.
- Help you accurately gauge what your students are ready to learn.

Dual-coded problems also familiarize students with the types of content they'll see on assessments including the Algebra EOC.

TEKS — Levels of Complexity Chart

The levels of the exercises progress from 1 to 3, with Level 1 indicating the lowest level of complexity.

Exercises	12–35	36–44, 57–60	45–56
Level 3			●
Level 2		●	
Level 1	●		

Levels of Complexity charts for every lesson rank all the practice problems for easy differentiation.

TEKS — Texas Dual Coding

Exercises	Content Standards	MP Process Standards
Example	A.5(B)	A.1(B)
57–60	A.5(B)	A.1(B)

Focus on the testing challenges ahead.

Assessments can be daunting for students and teachers alike. But we've found ways to make it easier.

"Preparing for Assessments" pages

Each lesson comes with tips for translating knowledge into student success on test days. At first, the focus is on the end of course assessments. As students advance through the series, the emphasis shifts to SAT and ACT preparation.

eAssessment tool

Accurate assessments are crucial for keeping students on track. With our digital eAssessment tool, you can generate individualized tests and quizzes in a fraction of the time it takes you now. You can search for high-quality test questions by:

Subject • TEKS • Lesson • Keyword

The data-driven design of our eAssessment tool lets you analyze proficiency at the student and class levels and generate 11 TEKS-based reports.

It all adds up to achievement …

- Effortlessly meeting the TEKS.
- Exciting your students with interactive learning.
- Making assessment fast, accurate, and flexible.

… And we are here to help.

Actions speak louder than words. We prove our committment to you and your students with:

Intensive behind-the-scenes technology training

We begin by meeting with your district's technology team to ensure all tools and devices work smoothly together from the start.
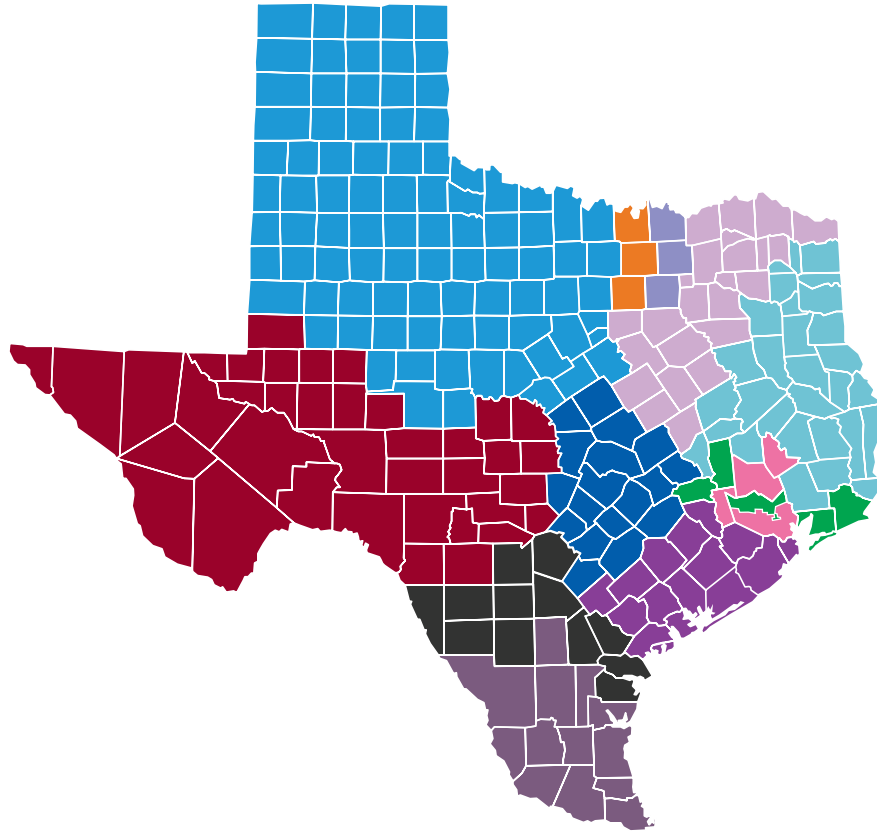
Program implementation training

We take the time to make sure you know what to do, how to do it, and how it benefits you and your students.

Ongoing support and troubleshooting

Whenever you need us, you can schedule additional in-person training sessions. Simply contact your rep. They will make sure you get the answers you need.

Meet your Texas team!

Kim Julius
North Central TX
kim.julius@mheducation.com
817-988-1857

Melissa Arnett
Dallas/North TX
melissa.arnett@mheducation.com
972-310-1854

Eduardo Holguin
Rio Grande Valley
ed.holguin@mheducation.com
210-422-3089

Marnie Watson
North Harris County
marnie.watson@mheducation.com
281-638-3278

Casey Williams
Northeast TX
casey.williams@mheducation.com
214-207-9269

Laura McDonald
West TX
laura.mcdonald@mheducation.com
915-422-0616

Lisa Spicer
Houston ISD/South Harris County
lisa.spicer@mheducation.com
281-455-7241

Michelle Starr
South Coastal TX
michellem.starr@mheducation.com
346-459-5189

Scott Fields
TX Panhandle
scott.fields@mheducation.com
940-703-5693

Joseph Escamilla
Central TX
joseph.escamilla@mheducation.com
956-267-3214

Alaina Hamilton
East TX
alaina.hamilton@mheducation.com
903-932-4779

Liz Flores
South Central TX
liz.flores@mheducation.com
210-854-0233

Districts with enrollment less than 1,000 find your sales rep at mhetexas.com

Sample and Discover Online!

MA23M22338