McGraw Hill Texas Math 6-8 Texas Resource Review

The development of the content of McGraw-Hill Texas Math was built around the Texas Essential Knowledge and Skills and the materials concentrate on the development of the primary focal areas and are in 100% alignment. All TEKS review materials are leveled, meaning these questions have indicators that describe the cognitive depth or complexity to the question. You will find support for dual coding built into every lesson. Every chapter is introduced with an Essential Question. Each section of the chapter builds on the Essential Question. TEKS are interwoven through the lessons. There is also a TEKS tracker provided. The TEKS are labeled at point-of-use, at the chapter level, lesson level, and on special features as well as on assessments.

The concepts sequence from concrete to representational to abstract (CRA), and materials provide support to teachers in understanding and developing students' progression along the CRA continuum. The useful table of contents and organization of McGraw Hill Texas Math are purposefully designed to support a balance between the developments of conceptual understanding, the need for instilling proficiency and the desire to make mathematics rich and meaningful to every Texas student.

The entire curriculum is designed around the Texas Essential Knowledge and Skills to promote rigor and coherence from lesson to lesson, chapter to chapter and grade to grade. The TEKS Skills Trace found in the Teacher Edition for each lesson and the Inquiry lab indicates a standards progression from what students have previously learned, to what they are learning now, to what they will learn in future lessons and/or grades.

The tasks are of high-quality and engage students in the appropriate level of rigor and complexity as identified in the TEKS. In the Texas Math Hands-On Labs, the Inquiry Question and opening problem pique student interest before the Hands-On Activities. In regular lessons, the Launch the Lesson opening activity sets the direction for the lesson and introduces the concepts that students will learn throughout the lesson. Every lesson in McGraw-Hill Texas Math begins and ends with multi-step, rigorous problem solving. After students are introduced to a content standard, they are asked to pair it with a mathematical process. The last two pages of exercises in each lesson are dedicated to integrated problems with both content and process standards, giving students the authentic based classroom instruction needed for success. The materials prompt and encourage students to communicate and justify their mathematical ideas, justify reasoning, and support their implications in multiple representations. Creating, evaluating, analyzing, understanding and remembering, along with the depths of knowledge, are infused throughout the Hands-On Labs, H.O.T. (Higher-Order Thinking) and Multi-Step Problems. Moreover, extended thinking and strategic thinking are evident throughout the programs.

Due to the interactive nature of the text, both the Guided Practice and Independent Practice/Multistep Problem-Solving exercises provide numerous opportunities for students to describe and defend their work. Every Guided Practice section offers a question that builds on the Essential Question of the chapter and requires an explanation.

Students have varied opportunities to apply mathematical knowledge and skills to solve problems in new contexts, including those arising in everyday life and society. The interactive nature of the Student Edition, along with the supporting graphics, provides for an age appropriate level of readability and accessibility. All Mathematical processes embedded throughout the text are

student-centered and at their appropriate learning level. Activities embedded throughout the Texas Math program were selected specifically for each level of learning. The digital program incorporates numerous opportunities for student-centered, engaging learning.

The materials develop students' ability to use and apply a problem-solving model that is transferable across problem types and grounded in the TEKS. Inquiry Labs are placed throughout the program before key concept lessons and provide opportunities for hands-on, concrete learning through collaboration. Virtual Manipulatives provide digital resources which will allow students to explore concepts.

Using the online platform, teachers can enable *My Discussions*, an online message board where students can communicate with their peers, share ideas, and ask questions. Teachers can post new discussion topics and students can respond freely and even build on comments that other students have posted. All discussions can be monitored by the teacher. All McGraw-Hill Math programs are available in multiple electronic interactive formats including an online format and tablet apps. The program is accessible on PC, Mac, and tablets through browsers. It is accessible on mobile devices through a Mobile App.

The variety of assessments will allow teachers and administrators to analyze and respond to data. The materials contain developmentally appropriate diagnostic tools and guidance for teachers to monitor progress. McGraw-Hill eAssessment is a collection of premade assessments and banks of questions all correlated to TEKS. It supports all phases of classroom instruction. Totally online, it allows teachers to create and customize assessments and assignments that can be completed online or printed. Questions include multiple choice, numeric response, short answer, and essay.

Materials include frequent, integrated formative assessment opportunities and routine progress monitoring opportunities. Formative Assessments keeps the teacher informed of the students' progress throughout the chapter and the lesson. These assessments allow the teacher to target instruction based on the students' outcome. These assessments are found within the lesson following the examples, guided practice, and at the end of lesson represented as a "Ticket Out the Door." In addition, the students can take Self-Check Quizzes online which provide instant results and can be communicated to the teacher. The Mid-Chapter Quiz includes all the TEKS presented in the first half of the chapter, compare and contrast of vocabulary and graphic organizer for key concepts taught. Chapter Tests contain all the TEKS presented in the chapter and question types are skills questions, problem-solving questions, and multi-step questions. There are three levels of Chapter Tests in the print Assessment Masters book and three additional tests that parallel the print tests are available online.

Mastering the TEKS workbook contains one multi-step example and two pages of multi-step practice problems for each TEKS. These pages are in the format of the Texas assessment and include both multiple-choice and gridded-response questions.

The materials include guidance, scaffolds, supports, and extensions that maximize student learning potential. There is targeted instruction and activities are provided for students who struggle and need additional support. Texas Math supports approaching level (AL), on level (OL), or beyond level (BL) learners with point-of-use, leveled activities, worksheets, and assessments both in the print Teacher Edition and in the Plan & Present tab of the online Teacher Edition in the digital resources. ELL strategies are embedded throughout the curriculum.

Scaffolded questions, located in the Teach the Concept section of the print Teacher Edition, provide different levels of questioning to differentiate instruction. The exercises in the Student Edition are organized by levels of complexity. Differentiated Homework Options allow teachers to assign different homework tasks to every child based on each student's achievement. Five different levels of editable worksheets are also available. These include Reteach, Skill Practice, Homework Practice, Problem-Solving Practice, and Enrich Worksheets.

Under the Differentiated Instruction tab in the Lesson Planning section online, instructional strategies target visual/spatial, interpersonal and intrapersonal, logical, verbal/linguistic and kinesthetic learners with different activities designed to play to each of their strengths.

The interactive Student Edition provides accommodations for special needs learners throughout the lessons. Step-by-step examples show students the necessary steps to solve basic skill exercises. Teachers also can display any example from the book on an Interactive White Board and demonstrate the examples step-by-step. Homework Help is given for select exercises to remind students of a method to solve similar problems. Manipulatives and diagrams are provided to introduce content and aid visual and kinesthetic learners. Apps provide 24/7 review of math concepts anywhere, anytime.

The Quick Review Math Handbook is available to further support students. The handbook offers content organized by topic written at a lower readability level. The extra practice problems are available for RTI. This handbook is available in English as well as Spanish. These materials provide instructional methods which appeal to a variety of learning interests and needs.

The McGraw Hill Texas Math student edition is available in Spanish. Spanish support materials are available with the program. The online English Language Learners Guide features strategies for English Language Learners and include sequenced and scaffolded linguistic accommodations that are commensurate with various levels of English language proficiency. The Student Edition includes Dinah Zike's Visual Kinesthetic Vocabulary flashcards (VKVs). These interactive flashcards provide in-depth support with English-Spanish cognates. The program enables students to learn new vocabulary and mathematical terms as designed by the TEKS. McGraw Hill authors designed every aspect of the Math program to have appropriate language.

The Texas McGraw Hill Math, in both print and digitally, maintains an organization that is user friendly.