

## Dear Family/Caregiver,

We recognize that learning outside of the classroom is crucial to your student's success at school. This letter serves as an introduction to the resources designed to assist you as you talk to your student about what they are learning. These resources are available on the Texas Math Solution Support Center at https://www.carnegielearning.com/texas-help/students-caregivers/. Some of the resources available include:

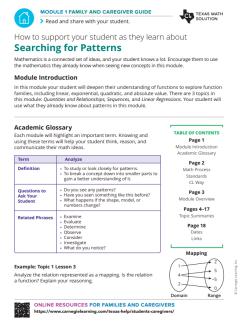
- Module Family and Caregiver Guides
- **Topic Family Guides**
- A Mathematics Glossary for each course
- **Topic Summaries**

# **Family and Caregiver Guides**

In Carnegie Learning's Texas Math Solution, each course is organized into modules. Each module has a corresponding Family and Caregiver Guide. These guides all have the same structure. This consistency will allow you and your student to understand how to reference the content of each section. In addition to this letter, a video walk through of the Family and Caregiver Guides can be found on the Texas Math Solution Support Center.

The first page of each Module Family and Caregiver Guide provides a Module Introduction. This introduction includes a brief explanation of what your student will learn in the module, the names of the topics in the module, and the prior knowledge they will use to help them understand these new topics. The Academic Glossary section highlights an important key term that will help your student think, reason, and communicate their mathematical ideas. An example from the module that includes the highlighted term is provided for you and your student to discuss.

Note that at the bottom of each page in the Family and Caregiver Guide, there is a QR code you can scan to access the Texas Math Solution Support Center which includes additional resources for families and caregivers.





MODULE 1 FAMILY AND CAREGIVER GUIDE



## Math Process Standards

Each module will focus on a process (or a pair of processes) that will help your student become a mathematical thinker. The "I can" statements listed below help your student to develop their mathematical learning and understanding.

Analyze mathematical relationships to connect and communicate mathematical ideas.

- · identify important relationships in a problem situation.
- use what I know to solve new problems.
- analyze and organize information.
   look closely to identify patterns or structure.
   look for general methods and more efficient ways to solve problems.

Look for examples of these processes in the Topic Summaries.

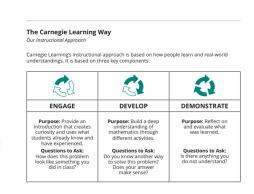
The next section of the Family and Caregiver Guide is the Math Process Standards. Each module highlights one or more of the TEKS Mathematical Process Standards.

These processes will help your student develop effective communication and collaboration skills that are essential for becoming a successful learner. Discuss with your student the "I can" statements listed below the standard

to help them develop their mathematical learning and understanding. With your help, your student can develop the habits of mind of a productive mathematical thinker.

At Carnegie Learning, we choose the path proven most effective by research and classroom experience. We call that path the Carnegie Learning Way. It is based on a scientific understanding of how people learn and a real-world understanding of how to apply that science to mathematics instructional materials. The Family and Caregiver Guide for each Module highlights a different instructional design element used throughout the entire course to develop conceptual understanding and creative problem solvers.

In the first module guide for each course, Carnegie Learning's Instructional Approach is highlighted. In the second module guide for each course, the Lesson Structure is highlighted. Each lesson is structured the same way and includes four parts: Learning Goals & Connection, Getting Started, Activities, and Talk the Talk. In the remaining module guides for each course the types of problems that students will encounter are highlighted. Problem types include Worked Examples, Thumbs Up/Thumbs Down, and Who's Correct.



### **Module Overview**

TOPIC 1	TOPIC 2	TOPIC 3
Quantities and Relationships	Sequences	Linear Regressions
Your student will analyze scenarios and graphs representing the functions they will study in the course.	Your student will explore sequences represented as lists of numbers, tables of values, equations, and graphs.	Your student will learn how to use lines of best fit to model data.
What in the world?  Graphs allows us to see data in new ways, so that we can find in new ways so that we can find patterns and make predictions about the things we do not know. They can even be used to track daily habits and learn more about ourselves.	Did you know that?  A sequence is a pattern of numbers, geometric figures, letters, or other objects that are placed in an east corder  What would the next figure look like in the sequence?	Did you know that?  The closer the r-value gets to 0, the data appears move random and less like a straight line.  2 4 6 8  2 4 6 8  2 4 6 8  2 5 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7

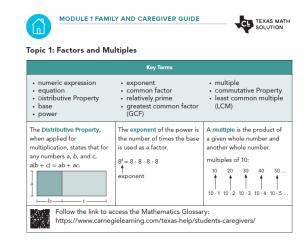
The Module Overview section expands on the content from the Module Introduction. This section includes a more detailed summary of what your student will be learning in each topic within the module. Below the topic summaries are facts and information that connect the concepts in the topic to the real world. Read and discuss the information below the topic summary with your student, and continue to come back to this page throughout the module as your student moves from one topic to the next.

The Topic Overview section lists the Key Terms for the topic along with a few definitions and visual examples. Keep in mind that you can access the Mathematics Glossary for your student's course by using the QR

code or website to access the Texas Math Solution

Support Center. The rest of the Topic Overview section summarizes key concepts that your student will learn throughout the topic. Take some time in each topic to discuss key concepts, review examples, and do the math together with your student.

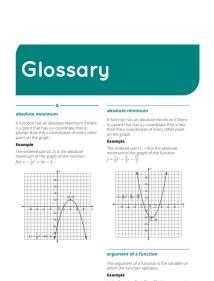
Finally, the Family and Caregiver Guide ends with a Notes and Important Dates section for each module. Discuss important dates throughout this module such as assessments, assignments, or class events with your student. Use the table to record these dates and reference them as your student progresses through the module.

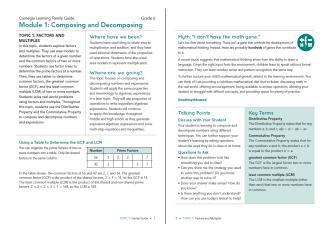


There are a variety of resources that Carnegie Learning has provided to help you make the most of the Texas Math Solution. In the Texas Math Solution Support Center, you will have access to these resources which include Mathematics Glossaries, videos, and topic materials. https://www.carnegielearning.com/texas-help/students-caregivers/.

## **Topic Family Guides**

The Topic Family Guides contain a brief look at the mathematics in a topic and includes talking points to support discussions around the math at home with your student.





## **Mathematics Glossary**

The Mathematics Glossary for each course is a tool for your student to utilize and reference during their learning. Along with the definition of a term, the glossary provides examples to help further their understanding.

## **Topic Summaries**

This resource provides a list of the key terms introduced in the topic and a brief overview of the mathematical content of each lesson. The overview for each lesson includes definitions and visual examples of the important key terms from the lesson as well as worked examples. The Topic Summary provides an opportunity for you and your student to discuss the key concepts from each lesson, review the examples, and do the math together.

We all have the same goal for your student, to become a successful problem solver and use mathematics efficiently and effectively in daily life. Encourage them to use the mathematics they already know when seeing new concepts and communicate their thinking while providing a critical ear to the thinking of others. Take some time to review these Family and Caregiver Guides with your student and visit the Texas Math Solution Support Center for additional resources.



Sincerely,

LONG + LIVE + MATH