

Grades 6-8, Algebra I

Materials Guide

READ ME FIRST

Welcome!

The Open Education Resource (OER) Secondary Mathematics Edition 1 has been specifically designed by the Texas Education Agency (TEA) for students served by Texas schools. These Texas-designed instructional materials were thoughtfully crafted around well-defined scope and sequences and a systematic approach to learning.

The materials focus on active learning, which engages students dynamically, encourages discourse and collaboration, and addresses personalized learning approaches. The OER Secondary Mathematics Edition 1 product is guided by research from educational experts and valuable feedback from individuals across the state. It is freely available to Texas school districts and educators to enhance students' daily learning experiences.

This guide is crafted to help you effortlessly navigate the tools and resources included in this product. Each section is tailored to provide information that will assist you during the review process.

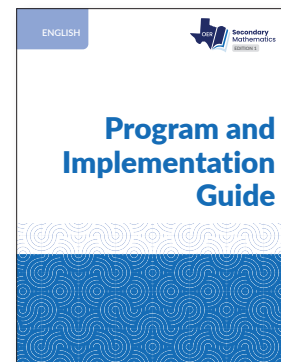
Sincerely,

The Secondary Mathematics Team

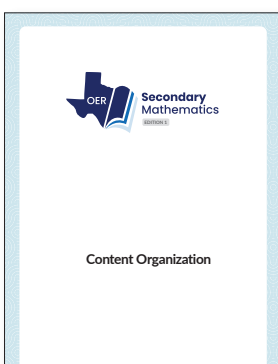
Getting to know the program

To better understand the OER Secondary Mathematics Edition 1 product, refer to the Program and Implementation Guide. The Program and Implementation Guide describes the program components and the overall pedagogical and instructional approach and provides guidance on implementing the program effectively.

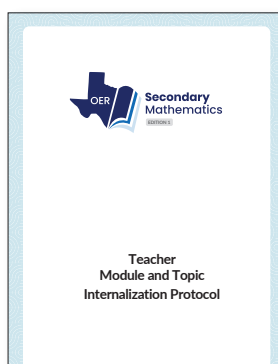
The following shows the different components of the program and each course, giving an overview of the program structure.



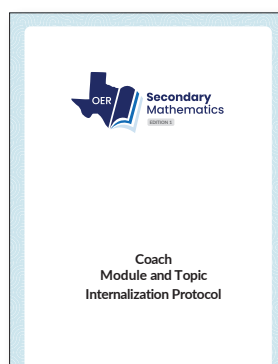
Program Components



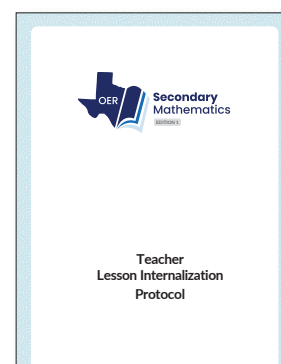
Content Organization*



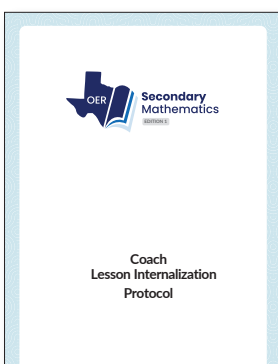
Teacher | Module and Topic Internalization Protocol*



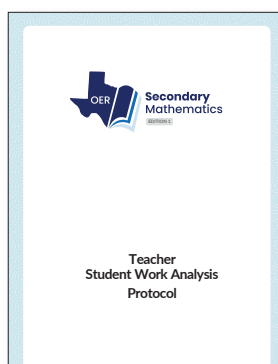
Coach | Module and Topic Internalization Protocol*



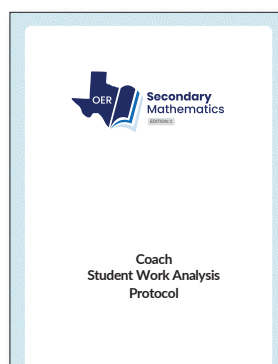
Teacher | Lesson Internalization Protocol*



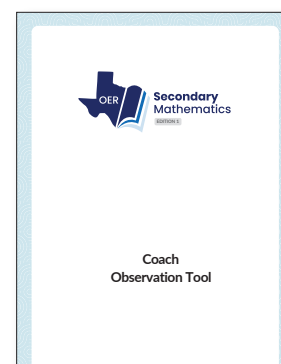
Coach | Lesson Internalization Protocol*



Teacher | Student Work Analysis Protocol*



Coach | Student Work Analysis Protocol*



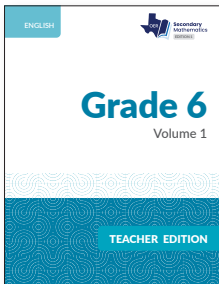
Coach | Observation Tool*

* Denotes components that are offered as digital PDFs only.

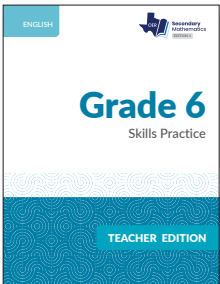
Course Components

Grade 6

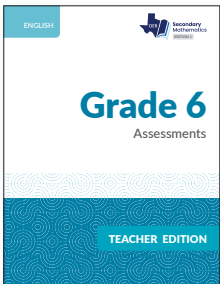
Teacher Materials



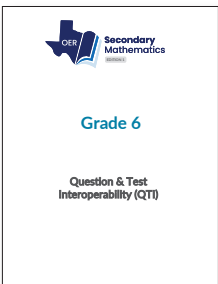
Teacher Edition



Skills Practice

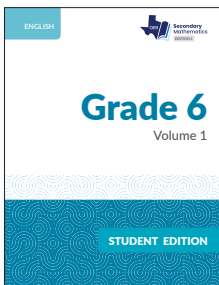


Assessments

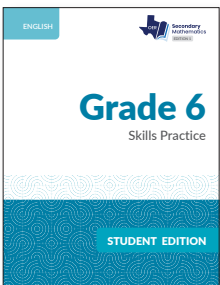


QTI Files
for Digital
Assessments*

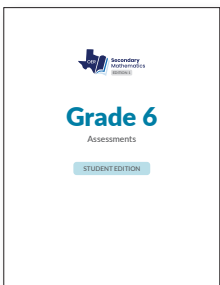
Student Materials



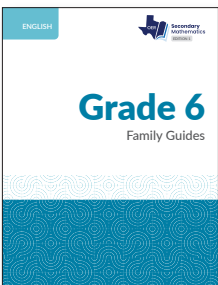
Student Edition



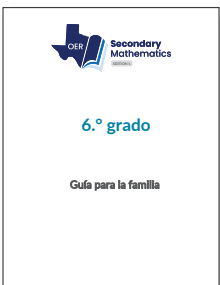
Skills Practice



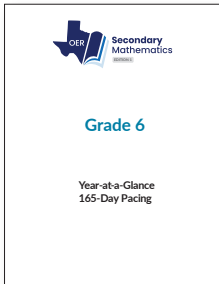
Assessments*



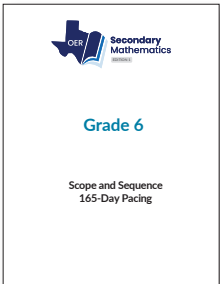
Family Guides
(English)



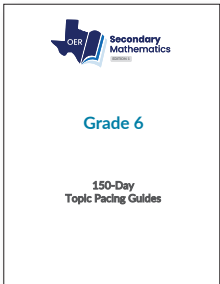
Family Guides
(Spanish)*



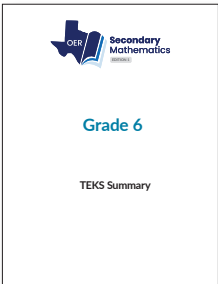
Year-at-a-Glance*



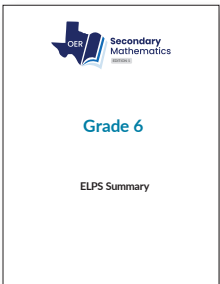
Scope and
Sequence*



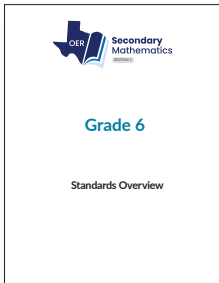
150-Day Pacing
Guidance*



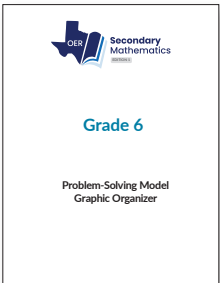
TEKS Summary*



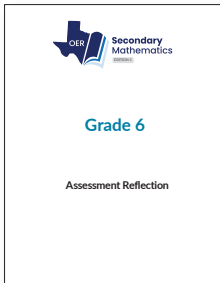
ELPS Summary*



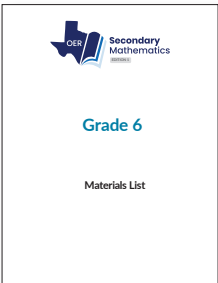
Standards
Overview*



Problem-Solving
Model Graphic
Organizer*



Assessment
Reflection*



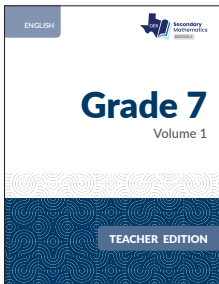
Materials List*

* Denotes components that are offered as digital PDFs only.

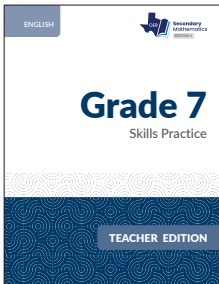
Course Components

Grade 7

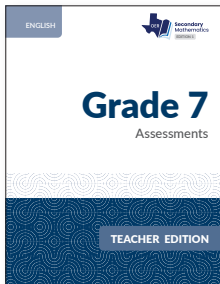
Teacher Materials



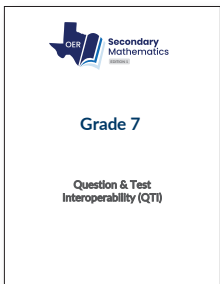
Teacher Edition



Skills Practice

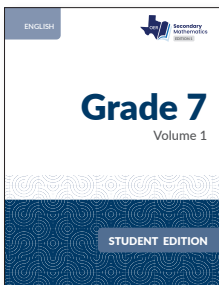


Assessments

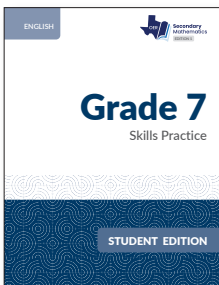


QTI Files
for Digital
Assessments*

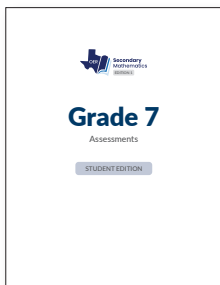
Student Materials



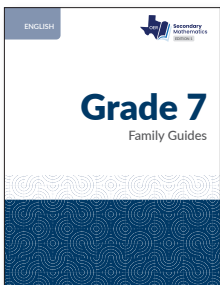
Student Edition



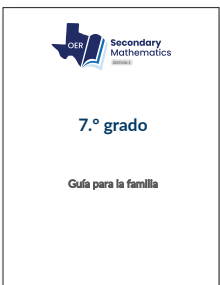
Skills Practice



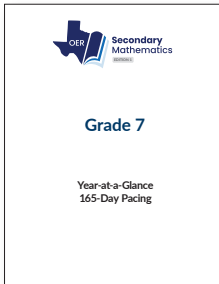
Assessments*



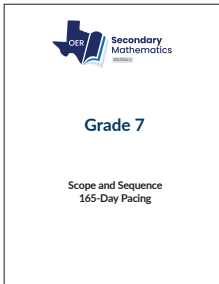
Family Guides
(English)



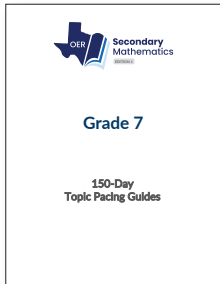
Family Guides
(Spanish)*



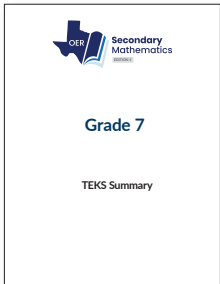
Year-at-a-Glance*



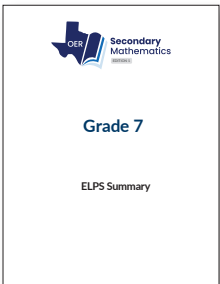
Scope and
Sequence*



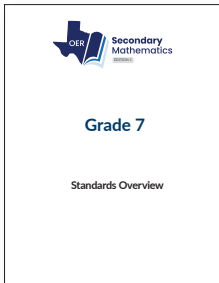
150-Day Pacing
Guidance*



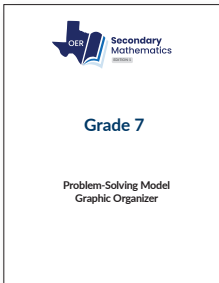
TEKS Summary*



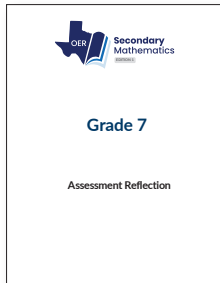
ELPS Summary*



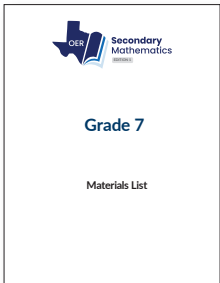
Standards
Overview*



Problem-Solving
Model Graphic
Organizer*



Assessment
Reflection*



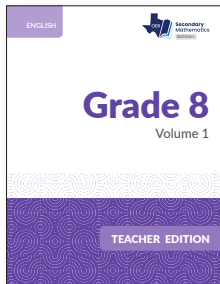
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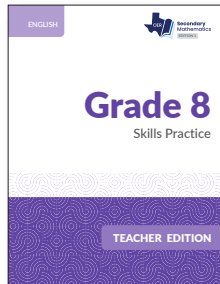
Course Components

Grade 8

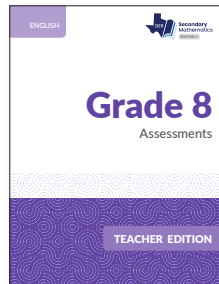
Teacher Materials



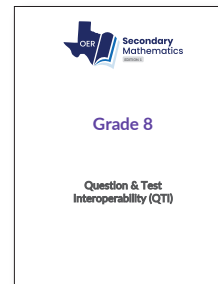
Teacher Edition



Skills Practice

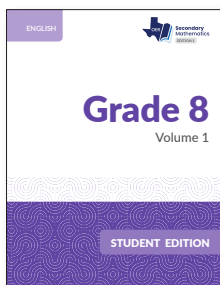


Assessments

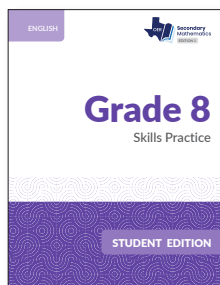


QTI Files
for Digital
Assessments*

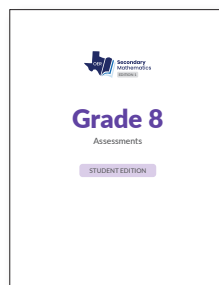
Student Materials



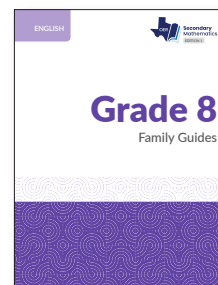
Student Edition



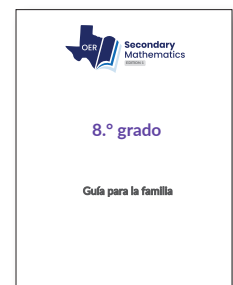
Skills Practice



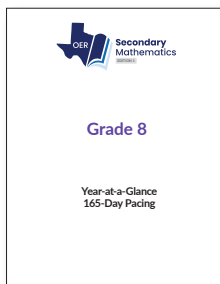
Assessments*



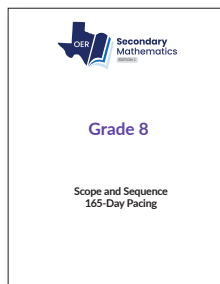
Family Guides
(English)



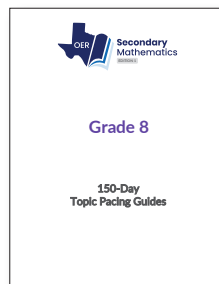
Family Guides
(Spanish)*



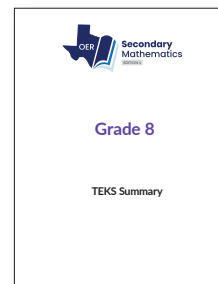
Year-at-a-Glance*



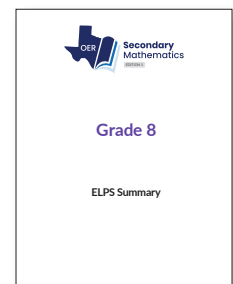
Scope and
Sequence*



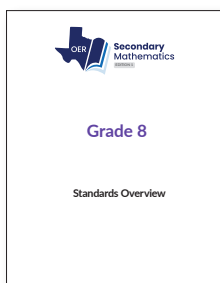
150-Day Pacing
Guidance*



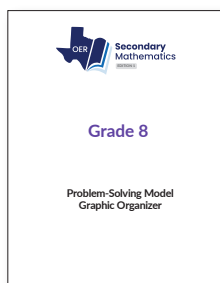
TEKS Summary*



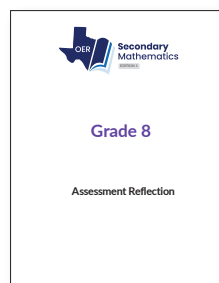
ELPS Summary*



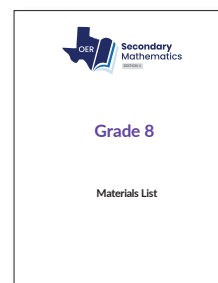
Standards
Overview*



Problem-Solving
Model Graphic
Organizer*



Assessment
Reflection*



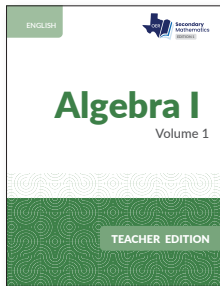
Materials List*

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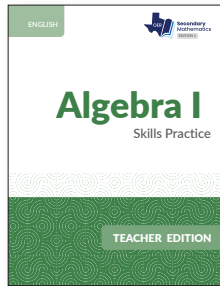
Course Components

Algebra I

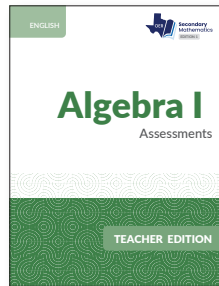
Teacher Materials



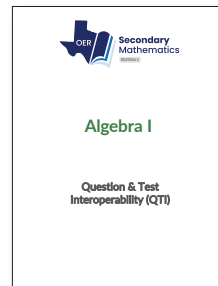
Teacher Edition



Skills Practice

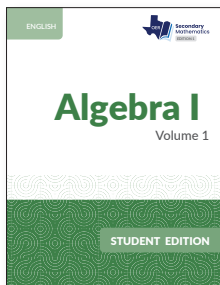


Assessments

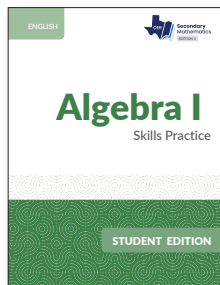


QTI Files
for Digital
Assessments*

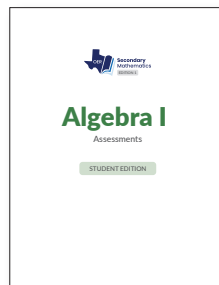
Student Materials



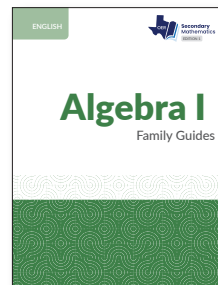
Student Edition



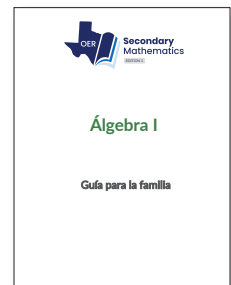
Skills Practice



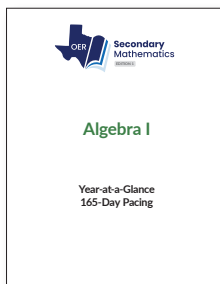
Assessments*



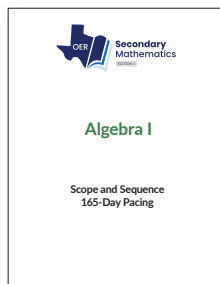
Family Guides
(English)



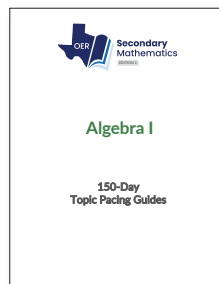
Family Guides
(Spanish)*



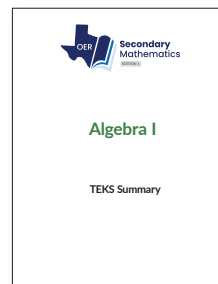
Year-at-a-Glance*



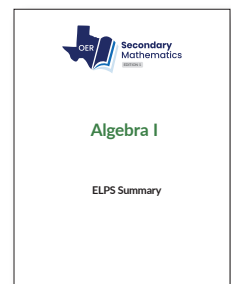
Scope and
Sequence*



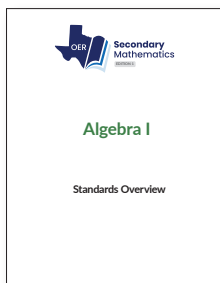
150-Day Pacing
Guidance*



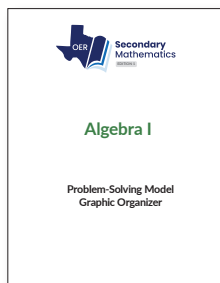
TEKS Summary*



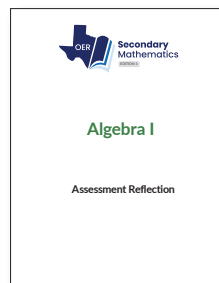
ELPS Summary*



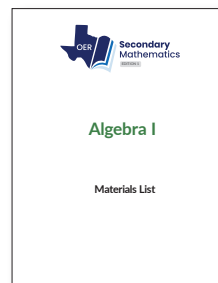
Standards
Overview*



Problem-Solving
Model Graphic
Organizer*



Assessment
Reflection*



Materials List*

* Denotes components that are offered as digital PDFs only.

Summary of Components

The following components are included in the Open Education Resource (OER) Secondary Mathematics Edition 1:

Program Components

- The **Program and Implementation Guide** provides a high-level overview of the instructional materials.
- The **Content Organization** provides an overview of the content covered across all the instructional materials in the program.
- The **Teacher | Module and Topic Internalization Protocol** provides a step-by-step process for understanding the module and each topic within the module before teaching.
- The **Coach | Module and Topic Internalization Protocol** provides direction and recommendations to instructional coaches as they assist teachers in understanding the high-level arc of the learning.
- The **Teacher | Lesson Internalization Protocol** provides a step-by-step process for understanding each lesson before teaching.
- The **Coach | Lesson Internalization Protocol** provides direction and recommendations to instructional coaches as they assist teachers in planning instruction that meets the rigor of the instructional materials and supports all learners.
- The **Teacher | Student Work Analysis Protocol** supports teachers to analyze student work samples individually and collaboratively.
- The **Coach | Student Work Analysis Protocol** provides direction and recommendations to instructional coaches as they work with teachers to analyze student work and create a plan of action to support students' skills development.
- The **Coach | Observation Tool** is a resource for coaches to document specific look-fors while observing teachers' instruction and implementation of high-quality instructional materials.

Course Components

Teacher Materials

- The **Teacher Edition** is provided as the primary teacher-facing resource, inclusive of the Course and Implementation Guide and lesson materials.
- The **Skills Practice Teacher Edition** provides implementation support for Skills Practice, a resource for Learning Individually days.
- The **Assessments Teacher Edition** provides implementation support, answer keys, and scoring guidance for the TEKS-aligned End of Topic Assessments and the optional Performance Tasks.
- The **Question and Test Interoperability (QTI) Files** are provided for the implementation of digital assessments aligned to each End of Topic Assessment. There are many problem types students will encounter on digital assessments: multiple-choice, multiselect, text entry/ equation editor, graphing, inline choice, hot spot, drag and drop, and match table grid. It is recommended to administer either the print or the digital assessment method of the End of Topic Assessment. Students should not take both assessment types at the end of a topic.

Course Components

Additional Teacher Materials

- The **Year-at-a-Glance** shows the TEKS covered at the module and topic levels.
- The **Scope and Sequence** provides each lesson's Lesson Overview and Essential Ideas.
- The **150-Day Pacing Guidance** documents, inclusive of a Year-at-a-Glance, a Scope and Sequence, and Topic Pacing Guides, provide an alternative option to the 165-Day Pacing Guidance documents.
- The **TEKS and ELPS Summaries** show how the TEKS and ELPS are addressed at the module, topic, and lesson levels.
- The **Standards Overview** identifies the TEKS covered in each module and topic and additional TEKS covered in the Skills Practice for each topic.
- The **Problem-Solving Model Graphic Organizer** is a tool students can use to make sense of problems they will encounter. It provides questions to guide their thinking.
- The **Assessment Reflection** tool can help students monitor and track their progress toward proficiency.
- The **Materials List** summarizes all mandatory and optional materials needed at the lesson level.

Student Materials

- The **Student Edition** is provided as the primary student-facing resource, inclusive of the Course Guide and lesson materials.
- The **Skills Practice** Student Edition is the Learning Individually resource that provides students with additional skill-building practice opportunities to achieve proficiency in the TEKS that align with each lesson's skills, concepts, and applications. In addition to topic-aligned problem sets, Skills Practice also includes problems for scaffolding and extension.
- The **Family Guides** (English and Spanish) help introduce families to the course and provide strategies families can implement to support their student(s).
- The **Assessments** Student Edition is the student-facing assessment resource that includes TEKS-aligned End of Topic Assessments and optional Performance Tasks.

OER Secondary Mathematics Edition 1

Program Components
Program and Implementation Guide
*Content Organization
*Teacher Module and Topic Internalization Protocol
*Coach Module and Topic Internalization Protocol
*Teacher Lesson Internalization Protocol
*Coach Lesson Internalization Protocol
*Teacher Student Work Analysis Protocol
*Coach Student Work Analysis Protocol
*Coach Observation Tool

	Grade 6	Grade 7	Grade 8	Algebra I
Course Components				
Teacher Materials				
Teacher Edition	✓	✓	✓	✓
Skills Practice	✓	✓	✓	✓
Assessments	✓	✓	✓	✓
*QTI Files for Digital Assessments	✓	✓	✓	✓
*Year-at-a-Glance	✓	✓	✓	✓
*Scope and Sequence	✓	✓	✓	✓
*150-Day Pacing Guidance	✓	✓	✓	✓
*TEKS Summary	✓	✓	✓	✓
*ELPS Summary	✓	✓	✓	✓
*Standards Overview	✓	✓	✓	✓
*Problem-Solving Model Graphic Organizer	✓	✓	✓	✓
*Assessment Reflection	✓	✓	✓	✓
*Materials List	✓	✓	✓	✓
Student Materials				
Student Edition	✓	✓	✓	✓
Skills Practice	✓	✓	✓	✓
Family Guides (English)	✓	✓	✓	✓
*Assessments	✓	✓	✓	✓
*Family Guides (Spanish)	✓	✓	✓	✓

* Denotes components that are offered as digital PDFs only.

Notes

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