

The Revised Math TEKS (Grades 9–12): Completing the Gap Analysis

This is one of four modules to introduce the Revised TEKS for the high school courses Algebra I, Geometry, and Algebra II. The goals for participation are to study the newly revised TEKS (2012), explore a process to determine and address curriculum and instructional gaps in student learning for the implementation year 2015–2016, explore vertical connections within the newly revised TEKS (2012), explore instructional implications for cohort groups of students, including those students entering Algebra I having received instruction in grade 8 based on the revised TEKS (2012), and create an action plan for the transition to implementation and assessment of the newly revised TEKS (2012). CPE credit is 3.

Introduction

This section presents a brief overview and organizational framework of the course.

(Estimated time: 10 min.)

How Do You Look At Things?

Examine the revised mathematics TEKS (2012) through three perspectives.

(Estimated time: 5 min.)

Curriculum and Instructional Gaps

Choose the appropriate course-specific *Highlighted Curriculum* document to analyze the relationships between the new student expectations and the instructional gaps that need to be addressed so that students are prepared for the next school year.

(Estimated time: 20 min.)

Stations Activity (Tree View)

Review different course-specific activities to explore instructional implications. Consider the concepts being illustrated and how the activities may provide some clarification about the intent of the TEKS. Also consider vertical connections that you see among grade 8 and the high school courses and how these concepts relate to and build upon each other.

(Estimated time: 60 min.)

Explore the Gaps (Leaf View)

Explore the *Highlighted Curriculum* and *A Vertical Look at Key Concepts and Procedures* documents for possible gaps for a cohort group of students over the next two years.

(Estimated time: 60 min.)

Action Plan

Reflect on what you have learned and complete an action plan in your journal.

(Estimated time: 20 min.)

Conclusion

Review the other modules available in the Introduction to the Revised Mathematics series.

(Estimated time: 5 min.)

List of Course Activities – The Revised Math TEKS (Grades 9-12): Completing the Gap Analysis

Use this checklist to track the completion of activities in the course.

Introduction

View the Introduction and Welcome video and download the journal. Reflect on the review questions.

Video: 01:12 min.
Activity: 10:00 min.

How Do You Look At Things?

View the video.

Videos: 01:01 min.

Curriculum and Instructional Gaps

View the video and analyze the *Highlighted Curriculum* and *A Vertical Look at Key Concepts and Procedures* documents. Record your notes on the *Gap Analysis Notes Page* in your journal.

Video: 02:11 min.
Activity: 20:00 min.

Stations Activity (Tree View)

View the videos and explore the *Stations Activity* document for your course. Complete the *Stations Reflection Sheet* in your journal.

Videos: 02:30 min.
Activity: 60:00 min.

Explore the Gaps (Leaf View)

View the videos and use the *Highlighted Curriculum* and *A Vertical Look at Key Concepts and Procedures* documents to complete the Curriculum Analysis matrix in your journal.

Videos: 03:42 min.
Activity: 60:00 min.

Action Plan

View the videos and complete the action plan in your journal.

Videos: 01:27 min.
Activity: 20:00 min.

Conclusion

View the video and review the other modules available in the Introduction to the Revised Mathematics series.

Video: 01:07 min.