

Introduction to the Revised Mathematics TEKS (2012) – Module 2

This is the second of four modules to introduce the Revised TEKS for grades K – 8. The goals for participation are to become familiar with the revised mathematical process standards and compare them to the current underlying processes and mathematical tools, to explore resources on the Project Share Gateway, and to amplify instructional tasks. CPE credit is 3.

Course Introduction

This lesson presents a brief overview and organizational framework of the course.
(Estimated time: 10 min.)

01 – Exploring the Mathematical Process Standards

Examine the process standards through the lens of four big ideas.
(Estimated time: 15 min.)

02 – Side-by-Side TEKS Comparison

Use the Side-by-Side TEKS Comparison documents on the Project Share Gateway to compare and contrast the revised mathematical process standards with the current Underlying Processes and Mathematical Tools standards.
(Estimated time: 35 min.)

03 – Building Depth and Complexity

Reflect on the multiple connections that need to be made for students to build a strong mathematics network.
(Estimated time: 15 min.)

04 – Amplifying Instructional Tasks

Review the considerations when amplifying tasks and vocabulary related to meeting the needs of all students.
(Estimated time: 20 min.)

05 – Cross-Disciplinary Instruction and the ELPS

Reflect on your level of understanding of the ELPS and your comfort level with designing instruction that is cross-disciplinary and allows for multiple entry points.
(Estimated time: 10 min.)

06 – Bringing It All Together

Consider the implications for students' acquisition and demonstration of their mathematical understandings related to content and process standards.
(Estimated time: 10 min.)

07 – Digging Deeper into Amplified Tasks (grade band specifics)

Examine samples of amplified tasks and record evidence of the mathematical process standards, the ELPS, multiple entry points, and cross-disciplinary instruction in the matrix in your journal.
(Estimated time: 30 min.)

08 – Exploring the Project Share Gateway

Explore new resources found on the Project Share Gateway and look for evidence of the mathematical process standards within the activities found on the Gateway.
(Estimated time: 30 min.)

09 – Amplifying Tasks: Your Turn

Choose one problem from the Original Problems document. Amplify the task and complete the matrix in your journal. (Estimated time: 30 min.)

Course Conclusion

Reflect on what you have learned in this module and review the other modules available in the Introduction to the Revised Mathematics series.

(Estimated time: 5 min.)

Helpful Tips

The following are tips to help you navigate this online course:

- Access the "Materials for Download" section for transcripts, handouts, references, and other resources.
- Download the latest version of Adobe Reader to use the interactive journal PDF documents.
- For videos, use the controller bar to play, pause, fast-forward or rewind, and adjust video volume. Click the full screen button to increase the video size and click it again to return to normal video size.
- Click the "Previous" or "Next" buttons to move from one section of the course to another.
- Interactive activities in this course work best in Firefox, Chrome or Safari browsers. If you are using Internet Explorer, you may use the Print Screen feature to capture your work in lieu of the Print button in the interactive activity

List of Course Activities – Introduction to the Revised Mathematics TEKS (2012) - Module 2

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

Course Introduction

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| <input type="checkbox"/> View the Introduction & Welcome video and download your grade band specific journal. | Video: 00:51 min.
Activity: 10:00 min. |
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01 – Exploring the Mathematical Process Standards

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| <input type="checkbox"/> View the videos about examining the mathematical process standards through the lens of four big ideas and respond to questions in your journal. | Videos: 01:37 min.
Activity: 10:00 min. |
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02 – Side-by-Side TEKS Comparison

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| <input type="checkbox"/> View the videos and complete the Side-by-Side TEKS Comparison activity. | Videos: 02:04 min.
Activity: 30:00 min. |
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03 – Building Depth and Complexity

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| <input type="checkbox"/> View the video and reflect on the question. | Video: 01:01 min. |
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04 – Amplifying Instructional Tasks

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| <input type="checkbox"/> View the videos to review considerations for amplifying an instructional task. Complete the Vocabulary activity in your journal. | Videos: 05:06 min.
Activity: 30:00 min. |
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05 – Cross-Disciplinary Instruction and the ELPS

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| <input type="checkbox"/> View the video and reflect on the questions. | Video: 00:24 min. |
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06 – Bringing It All Together

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| <input type="checkbox"/> View the video and record your thoughts in your journal. | Videos: 01:13 min.
Activity: 10:00 min. |
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07 – Digging Deeper into Amplified Tasks (grade band specific)

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| <input type="checkbox"/> View the video and download the tasks for your grade band. Complete the activity in your journal. | Video: 02:00 min.
Activity: 30:00 min. |
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08 – Exploring the Project Share Gateway

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| <input type="checkbox"/> Explore resources on the Project Share Gateway and complete the activity in your journal. | Activity: 30:00 min. |
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09 – Amplifying Tasks: Your Turn

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| <input type="checkbox"/> View the videos about considerations for amplifying instructional tasks. Download the Original Problems document and choose a problem to amplify to complete the matrix in your journal. | Videos: 03:29 min.
Activity: 30:00 min. |
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Closing Reflection

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| <input type="checkbox"/> View the video and review the other modules available in the Introduction to the Revised Mathematics series. | Video: 00:41 min. |
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