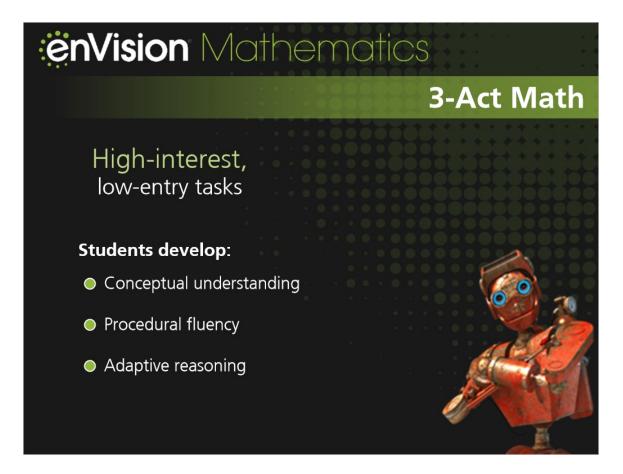


enVision Mathematics © 2021 Grades 6–8 3-Act Math

Introduction



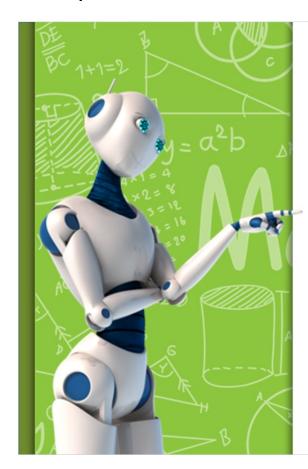
Hi, **enVision** teachers! I'm glad you want to learn about 3-Act Math lessons.

These high-interest, low-entry tasks help all students develop conceptual understanding, procedural fluency, and adaptive reasoning as they test out different models and conjectures.

Let's dig in so you can see how these lessons help students learn to use mathematical models to solve real-world problems.



Quick Tip





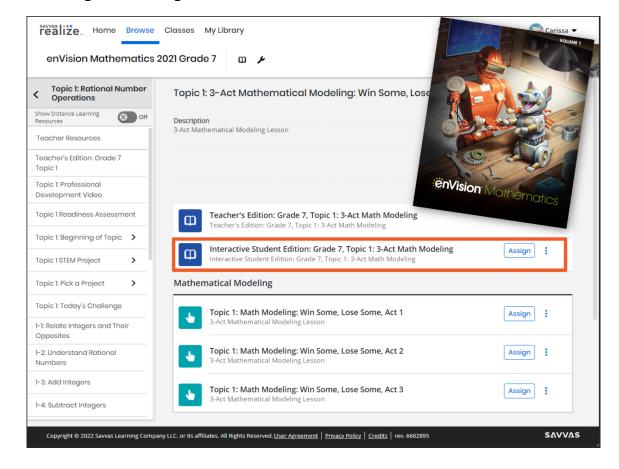
Students gain experience with mathematical modeling in each 3-Act Math lesson as they complete these steps:
• Pose a mathematical question

- about a situation
- Identify information needed to solve a problem

 Develop a model that represents
- the situation
- Use the model to propose a solution
- Test the appropriateness of the



Planning and Pacing



A 3-Act Math lesson is an important part of each topic. Teach the 3-Act Math task as the lesson for the day.

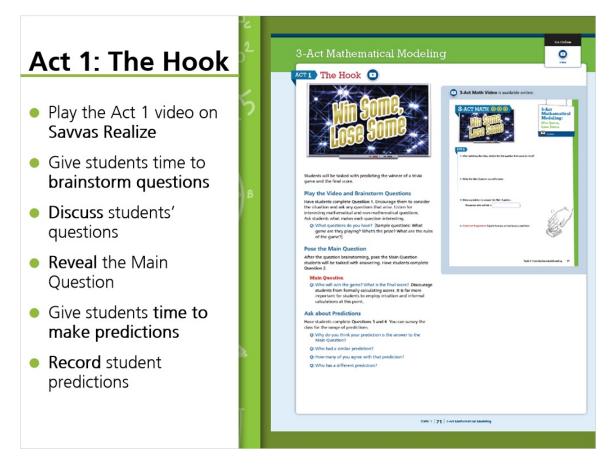
The 3-Act Math lesson can be at the beginning, in the middle, or at the end of a topic, depending on when students will have learned the relevant content. Find pacing details in the Topic Planners in your Teacher's Edition.

Use the Topic Opener to preview and plan for the lesson. Use the 3-Act Math Preview page in the Student's Edition to generate student interest at the beginning of the topic.

When teaching the lesson, ask students to record their ideas at each step. Students can write in their Student Editions or record their ideas digitally in the Interactive Student Edition Realize Reader on Savvas Realize.



Act 1: The Hook



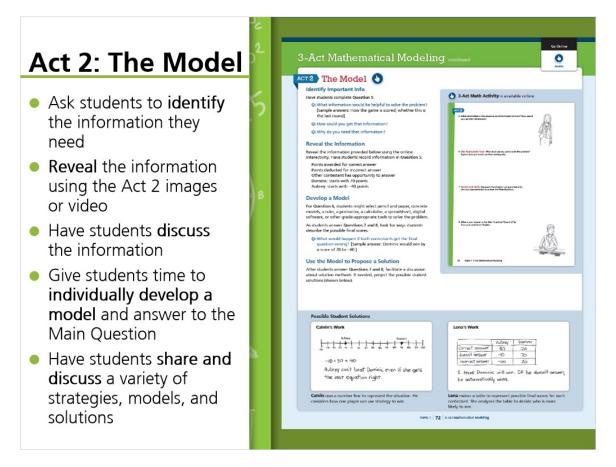
In Act 1: The Hook, play the Act 1 video. The video presents a problem situation and provides just enough information to get students thinking and talking.

Give students time to brainstorm possible questions they have about the Act 1 video.

Have students share some of their questions, and then reveal the Main Question. Give students time to predict answers to the Main Question. Finally, ask them to share their ideas and record their predictions for the whole class to see.



Act 2: The Model



In Act 2: The Model, ask students to identify information they need to answer the Main Question.

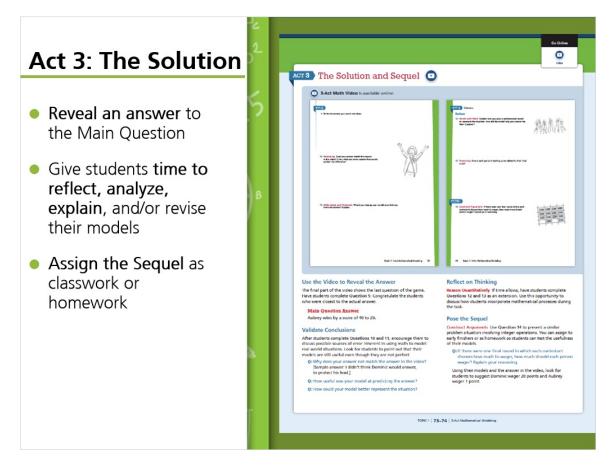
After you collect students' ideas, reveal the information in Act 2 on Savvas Realize. Ask students to discuss whether this information matches their expectations and predictions.

Then ask students to work individually to develop a model and solution to the Main Question. Encourage them to use any model to arrive at a solution that makes sense to them.

Have students share and discuss their strategies. Make sure to discuss a variety of different models and solutions. You can project sample student work shown in the Teacher's Edition.



Act 3: The Solution

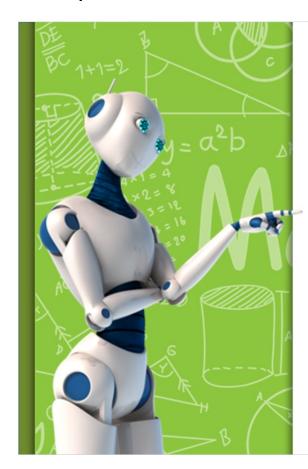


In Act 3: The Solution, play the video to reveal an answer to the Main Question.

Give students time to reflect, analyze, and explain differences between their answers and the actual solution. Lead a discussion to help students develop the math practices, and give students time to revise their models or work on the Sequel.



Quick Tip

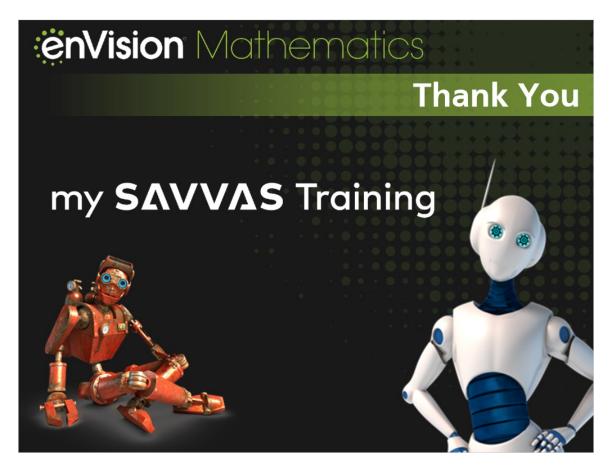




For more information, read the article, 3-ACT MATH Tasks: Authentic Engagement with Mathematical Ideas by enVision author Zachary Champagne. The article is available for download on the Getting Started tab of Savvas Realize.



Closing



Thanks for learning more about 3-Act Math lessons. These lessons help students learn mathematical modeling skills that they'll use throughout their lives!

Keep digging in to My Savvas Training to learn more about enVision Mathematics and Savvas Realize.