Book Study: Becoming the Math Teacher You Wish You’d Had

Course Syllabus

Course Description
While mathematicians describe mathematics as playful, beautiful, creative, and captivating, many students describe math class as boring, stressful, useless, and humiliating. In her new book, Tracy Zager helps teachers close this gap by making math class more like mathematics. The chapters are grouped into five groups. For each of the 5 groupings, there is a quiz. To pass the course, each quiz must be passed with an 80% score. Be sure to thoroughly study the chapters in order to be prepared for taking the quizzes. Upon completion of the Group 5 quiz, you have finished the course. There are no assignments or papers. Included in each module are discussion questions, additional resources and activities to try. These are intended to support you as you read the book and implement its precepts. They are not required to pass this course.

Course Objectives
The student will learn how to move toward increasingly authentic, delightful, robust mathematics teaching and learning for themselves and their students. This important book helps us develop instructional techniques that will make the math classes we teach so much better than the math classes we took.

Chapter 1
Focus: Breaking the Cycle

Chapter 2
Focus: What Do Mathematicians Do?
Quiz 1

Chapter 3
Focus: Mathematicians Take Risks

Chapter 4
Focus: Mathematicians Make Mistakes

Chapter 5
Focus: Mathematicians Are Precise
Quiz 2

Chapter 6
Focus: Mathematicians Rise to a Challenge

Chapter 7
Focus: Mathematicians Ask Questions

Chapter 8
Focus: Mathematicians Connect Ideas
Quiz 3
Chapter 9  
Focus: Mathematicians Use Intuition

Chapter 10  
Focus: Mathematicians Reason

Chapter 11  
Focus: Mathematicians Prove  
Quiz 4

Chapter 12  
Focus: Mathematicians Work Together and Alone

Chapter 13  
Focus: “Favorable Conditions” for All Math Students  
Quiz 5

Materials  
You will need to purchase:

Possible vendors  
Amazon  
Stenhouse Publishing

Grading

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<tr>
<th>Quiz</th>
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