

Lesson 01



Uncover the Language of Math

WITH ANN DECHENNE





Introductions



Hi! My name is Ann DeChenne, and I am excited to present this class. I am a high school teacher in Oregon working with English learners. I am also a student working on my Ph.D. in curriculum, instruction, and assessment. My research areas are rural education and language in mathematics.





Introductions



While my background is working with English learners, this course is designed to aid teachers with language in math classes for ALL students.

Language is content and language just like content knowledge needs to be developed.





Rationale



Over the past decade, a movement toward authentic mathematic learning has occurred. The Common Core State Standards, the National Council of Teachers of Math, and the Oregon State Math Standards all focus on discourse and precision in math. We will look closely at the standards during this course to determine what is needed to provide access for all students and avenues of speech that will allow students to express their mathematical thinking and knowledge both in written and spoken form.



Class Objectives

OBJECTIVE 1



Students will learn how to identify a language function and explain why it is important.



OBJECTIVE 2



Students will learn how to identify the language functions of math standards.



Class Objectives

OBJECTIVE 3



Students will familiarize themselves with academic language and how it supports learning.



OBJECTIVE 4



Students will learn how to identify mathematical academic and general language to support them in the math classroom.



Class Objectives



OBJECTIVE 5



Students will gain tips and tools to work with evidence-based math practices that teachers, coaches, and mentors can use in the classroom.

AND ALL THE REST



Students will have the opportunity to practice what you have learned.





For this lesson, please introduce yourself and briefly explain why you decided to take this course.

1 to 2 pages.





References



<https://learning.ccsso.org/wp-content/uploads/2022/11/ADA-Compliant-Math-Standards.pdf>

<https://www.nctm.org/Standards-and-Positions/Principles-and-Standards/Process/>

<https://www.oregon.gov/ode/educator-resources/standards/mathematics/pages/mathstandards.aspx>

