Math Is a Language: Do You Speak Math?
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Students will be designing . . .

In these lessons, students will be designing different ways for their user to understand, think about, and enjoy math.

Through engaging in this challenge, students will learn...

- To understand there are diverse types of languages and communication
- To understand that math is a language we use every day
- To develop empathy and listening skills
- To see, read, and come to understand the building of math skills in the K–4 Utah Math Core Standards
- To learn curiosity, creativity, persistence, and fun in problem solving
- To learn a different perspective and find an enjoyment of math

Lesson 1

In this lesson, students will tackle the question, “Is math a language?”

Lesson 2

In this lesson, students will read, analyze, and come to understand a math standard, then teach the standard to the class.

Lesson 3

In this lesson, students will interview a user, create an empathy map, then craft a needs statement based on their insights. Then, students will brainstorm multiple ways to meet the user's needs, then will fast prototype a solution to meet those needs. Finally, students will test their prototypes, receive feedback, then reflect on the design thinking process.