

# Integrating the Math and Science Practices in the K-2 Classroom

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# Fist to Five

- How much do you know about the Standards for Mathematical Practice?
- How much do you know about the Science & Engineering Practices?

# Think-Pair-Share

- What is similar about the two sets of Practices?
- What is different?

# Part 1: Math

- 1.NBT.B.3, 1.NBT.C.4, 1.NBT.C.5, 1.NBT.C.6
- How do 1<sup>st</sup> grade students develop a conceptual understanding of place value?
- Play Read It-Build It-Check It with Bundles & Sticks and Arrow Cards
  - *Adapted from Developing Number Knowledge, Wright et al, 2012*

## Part 2: Science

- 1.LS1-2
- How do different types of animals ensure the survival of their offspring? [r vs. K selection]

## Part 2: Mama and Baby Blue Whale



## Part 2: Mama Frog and Babies



# Part 2: Science & ELA Integration

- *I'll Follow the Moon*
- *Baby Sea Turtles*



# Part 3: Math & Science Integration

- Mama Sea Turtle Activities
  - Students can use Bundles & Sticks

# NGSS & CCSS Standards

- What are the benefits for students when use the connections between the math and science content & practices?
- What are the take-aways for your own classroom?