

# Lassoing Math Success: Enhancing Lessons with DreamBox and Discovery Education

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# Lassoing Math Success:

Enhancing Lessons  
with DreamBox Math &  
Discovery Education



## Introductions

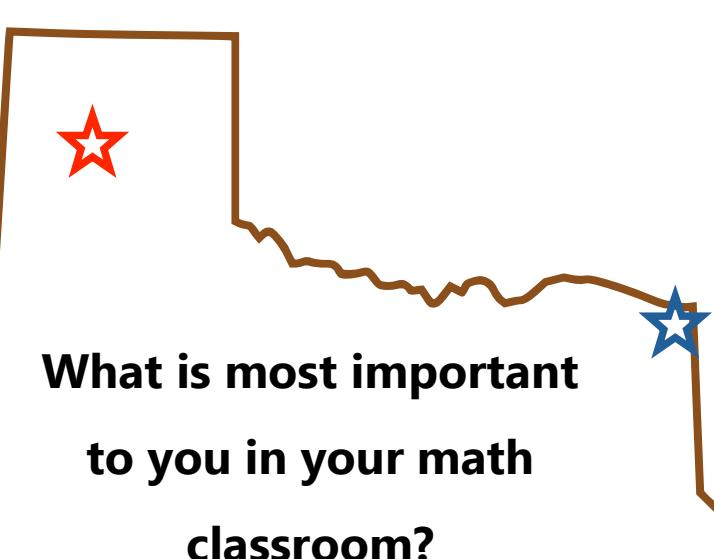
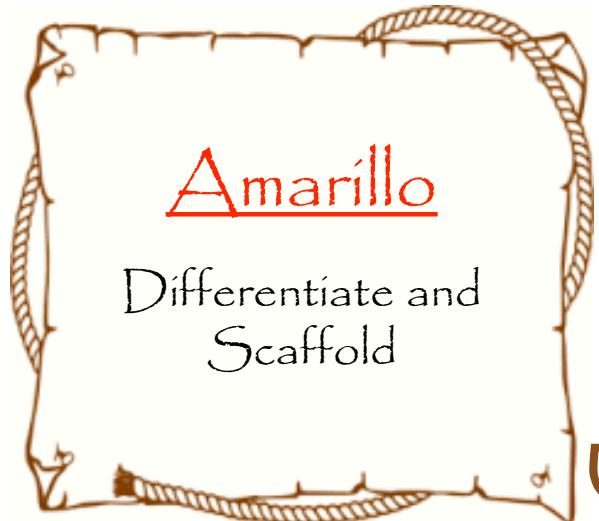
- Toni Robinson
- Lisa Sturges

## Event Schedule

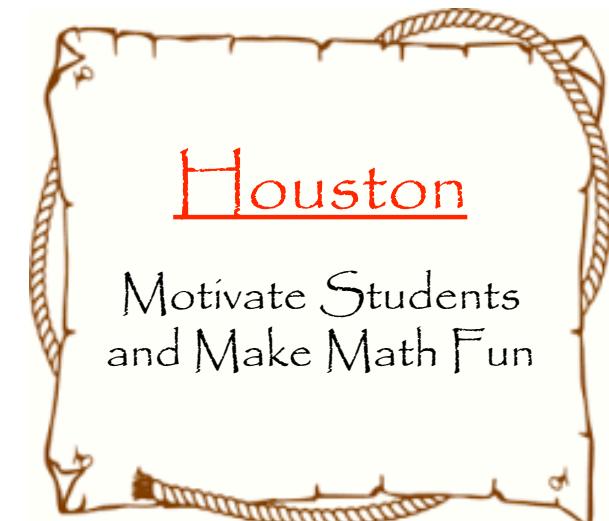
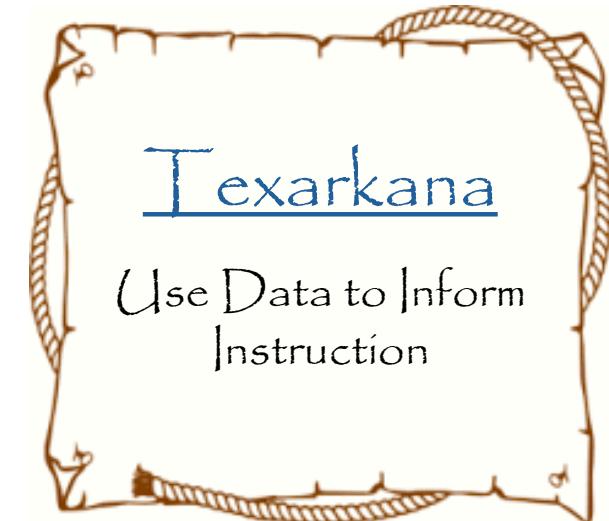
- DreamBox Trail Ride
- Journey through *Experience*
- Choose your own Trail Ride



# Do Now: Four Corners



**Find your corner!**



# DreamBox Math Basics



## K-8 + Algebra

Curriculum coverage aligned to your preferred standards



## Student-Driven

Promotes conceptual understanding and problem-solving skills



## Adaptive

Analyzes play data to adapt to each learner's level, differentiating in real time



## Continuous assessment

Growth data reported daily



## Proven Growth

Growth with 5+ lessons completed each week



## Spanish Option

Fully available for students in both English & Spanish

# Student-Centered Learning Environments

Age-appropriate engagement and Spanish option



K - 2



3 - 5



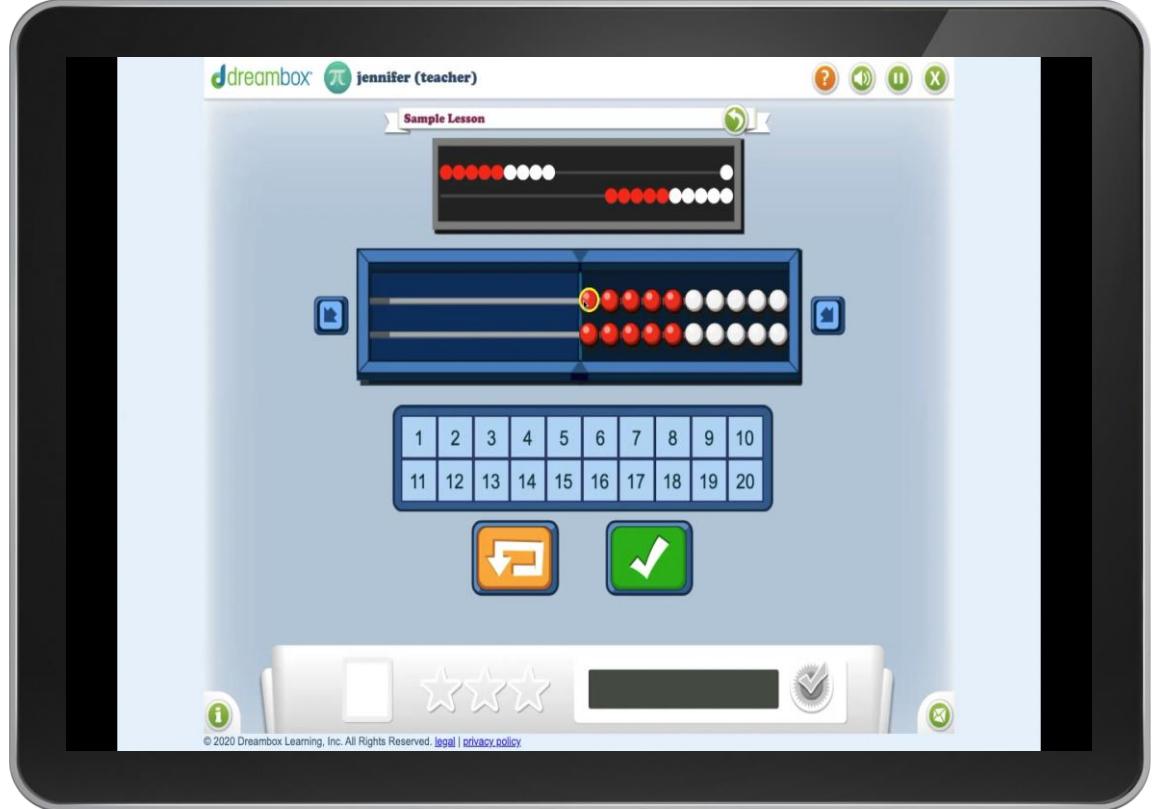
6 - 8

# Intentional Lesson Design



Students engage with various learning tasks across one of three different lesson types:

- Exploring & Sense Making
- Looking for Structure & Relationships
- Fluency, Application, & Procedural Skills



Sample Addition Lessons

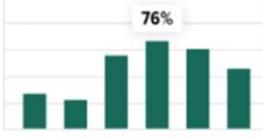
# 3-5 Student Play Demo

The screenshot shows the Dreambox Learning platform interface. At the top, the Dreambox logo and the student's name, "callum", are displayed, along with a yellow progress bar showing 64,732 points. The top navigation bar includes "my lessons" (highlighted in green), "my stuff", and several control icons (help, audio, video, pause, close).

The main area displays a collage of math lessons. One lesson, "Create and Analyze Line Plots", is highlighted with a cursor icon and three gold stars. Other visible lessons include "Multiplication with Arrays & Landmarks II" and "Classifying Figures". The background features a colorful, abstract design with cartoon characters.

At the bottom, a video recording overlay is visible, showing a message: "Loom - Video Recorder: Screen, Webcam and Mic is sharing your screen." It includes a "Stop sharing" button and a "Hide" button. The Dreambox logo and "LEARNING" text are at the bottom left.

# DreamBox Data Reports

  
**Student Usage Report**  
How are my students using DreamBox?

**Select**

  
**DreamBox Growth**  
How are my students growing in their learning?

**Select**

  
**DreamBox Impact**  
How are my students progressing and gaining standards in DreamBox?

**Select**

**Short-Term Assignment**  


**Long-Term Assignment**  


**Assignment History**  
View your active and historical assignments for this class

**Select**

**Smith, Jenny**  


**Güblum, Jeff**  

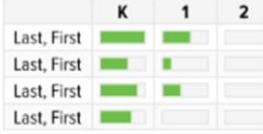

**Activity Feed**  
Track every lesson your students have recently played

**Select**

**Kindergarten**  
K.CC.A1 Proficient   
K.CC.A2 In Progress   
K.CC.A3 Not Started 

**Standards**  
View proficiency data across grade levels, domains, and individual standards

**Select**

  
**DreamBox Proficiency by Grade**  
Overview of each student in your class and their proficiency across grades

**Select**

# DreamBox Data Reports

Standards Report: 6th-8th

Close Report X

K 43% 1 41% 2 41% 3 49% 4 47% 5 52% 6 54% 7 > Grid Group

Print Export

Grade 5 Standards as of July 9, 2024 (Today)

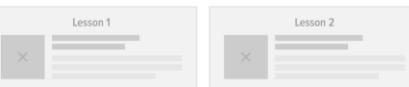
	Beyond Times Tables: Au...	Beyond Times Tables: Au...	Multiplying Decimals wit...	Division to 10,000 with R...	Estimate & Multiply with t...	Fraction Multiplication II	Multiplication to 100,000	Multiply and Divide with ...	Compose, Add, & Subtrac...	Decimals on a Number Line	Rounding Rational Num...	Round & Compare Fracti...	Round & Compare Whole ...	Equivalent Fractions on a...	Equivalent Fractions with...	Fluency: Fractions & Deci...	Add and Subtract Decimals	Add and Subtract Fraction...	Operations Fluency 1	Operations Fluency 2: Pa...	Order of Operations 1	Order of Operations 2: Pa...	Translating Expressions	Measuring and Solving Fo...	Solving for the Volume of...	M
Proficient	10	10	12	8	10	11	12	10	15	0	13	11	12	9	9	16	8	9	10	8	9	14	13	12	12	.
In Progress	3	1	0	12	4	7	0	11	0	12	1	10	9	8	7	0	8	12	6	2	12	0	0	0	0	0
Students [25]																										
Arleen C	○	○	○	●	○	●	○	○	○	○	○	○	●	●	●	●	●	●	●	●	●	●	●	●	●	
Berry V	○	○	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Standards Report:

Add Assignment by: Topic or Standard

Assignment Types

**Short-Term:** Student receives 1 or 2 personalized lessons on the selected topic.



**Long-Term:** Personalized lessons will be available every day until the student achieves proficiency on the topic or until the end of the specified number of weeks.



Assignment Duration

8 weeks

Select

Grade 5

Multiplication & Division

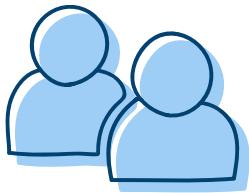
Fraction Multiplication II

How does Assignments work?

With Assignments, when you create an assignment in DreamBox the lessons are automatically tailored for every student. The assigned lessons will be marked with a special blue icon in the student's Lesson Chooser. A student can have up to two distinct Assignments topics at any given time.

**Short-Term Assignments:** Great for introducing a concept, reinforcing a topic taught in class, or additional review.

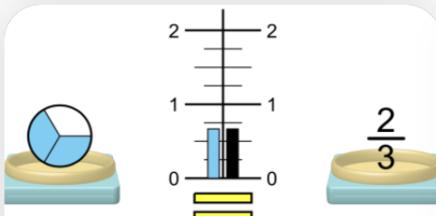
**Long-Term Assignments:** Great for intervention programs or helping students make progress in targeted areas from prior grade levels.



# Engaging Students with Supplemental Resources

- A new strategy/approach to re-teach a skill
- Additional practice resources for students
- Opportunities for students to get help with accelerated content

# Discovery Education Experience: Math Interactives



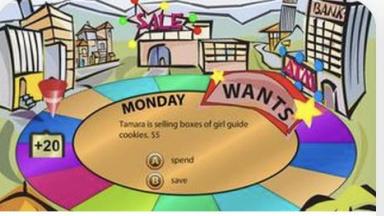
**EXPLORATION**  

### Fraction Matcher

Match shapes and numbers to earn stars in this fractions game. Students can play with fractions or mixed...

Show more

3-5 6-8 9-12



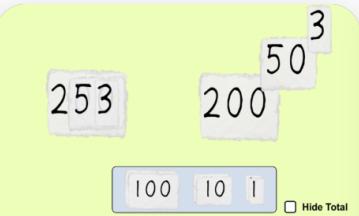
**SKILL BUILDER**  

### How Our Economy Works: Spend, Save, Spin

Challenges students with realistic wants and needs. By making good choices and using mental math,...

Show more

PreK-2 3-5



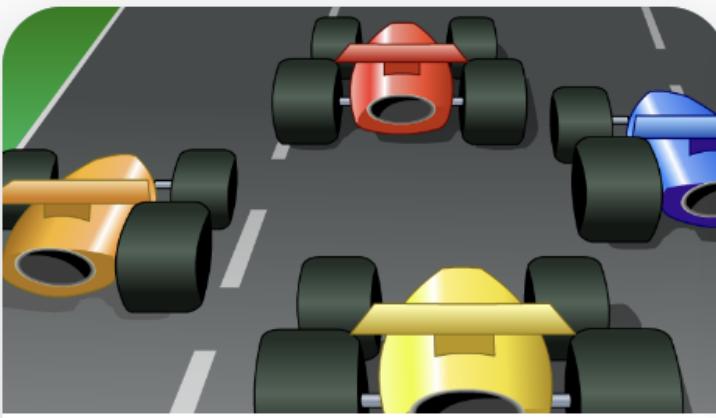
**EXPLORATION**  

### Make a Ten

Use the “make a ten” strategy when counting and doing addition. In this Exploration, students will be able to...

Show more

PreK-2 3-5



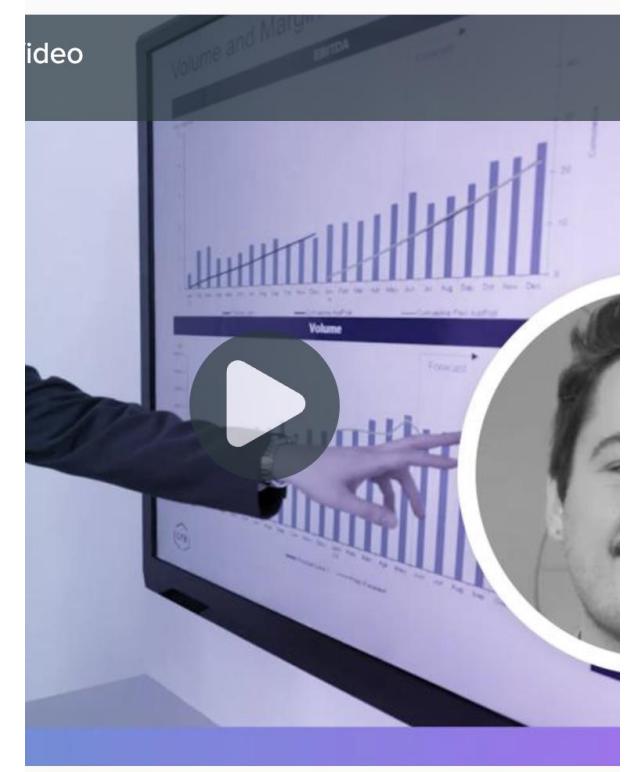
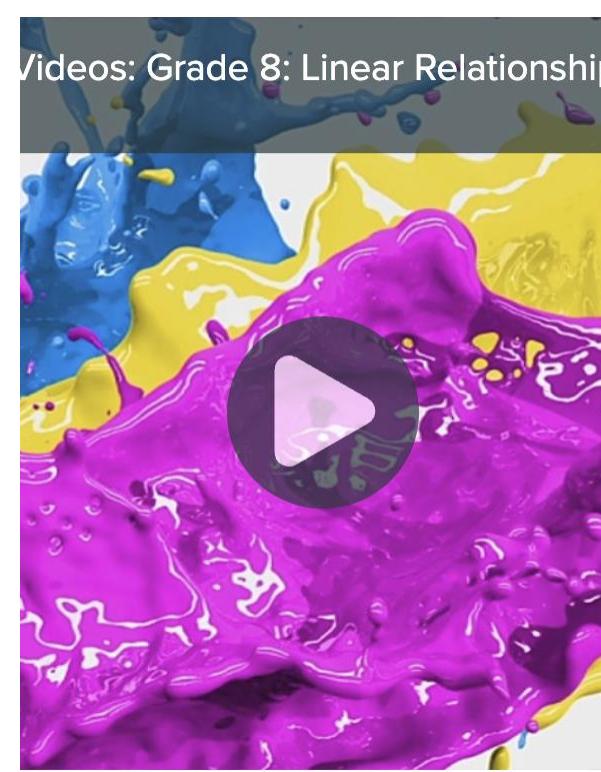
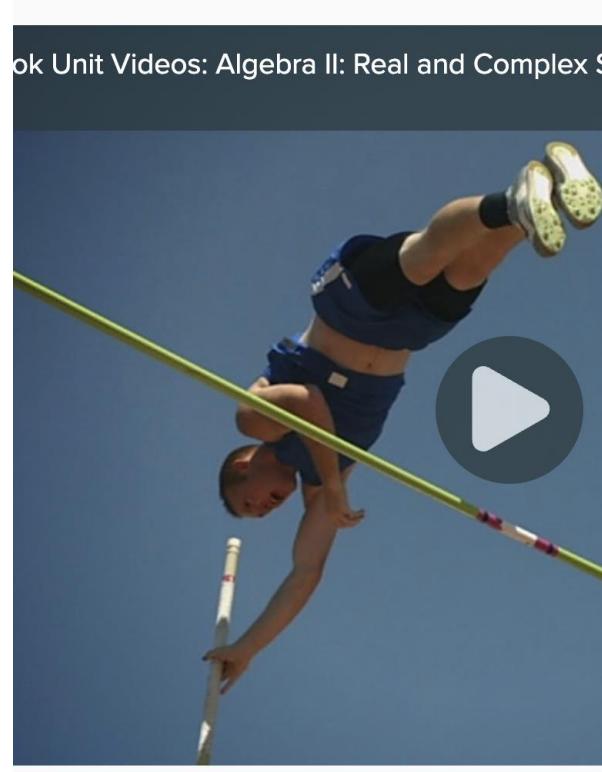
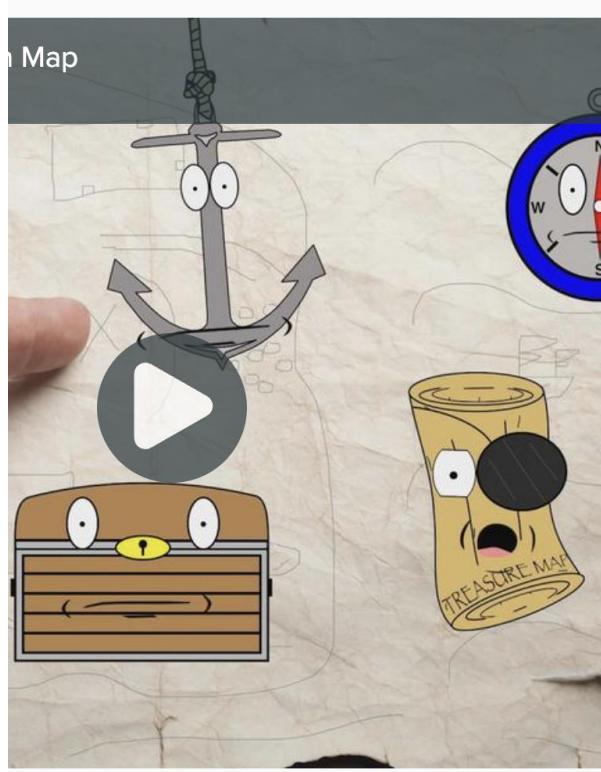
**SKILL BUILDER**  

### Drag Race

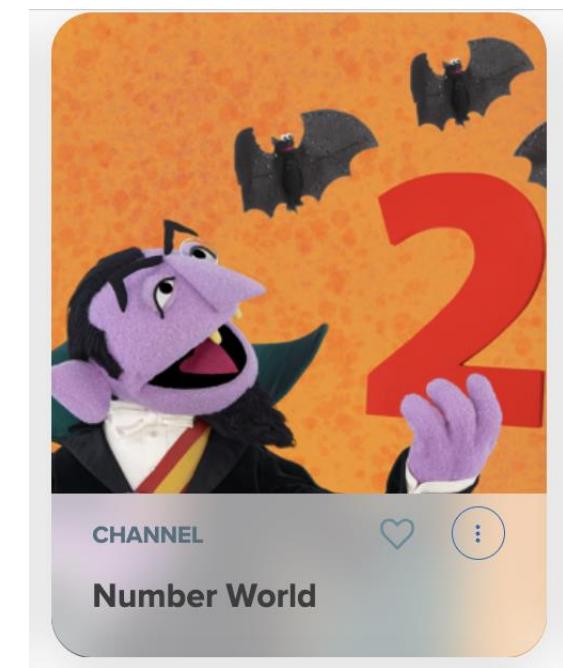
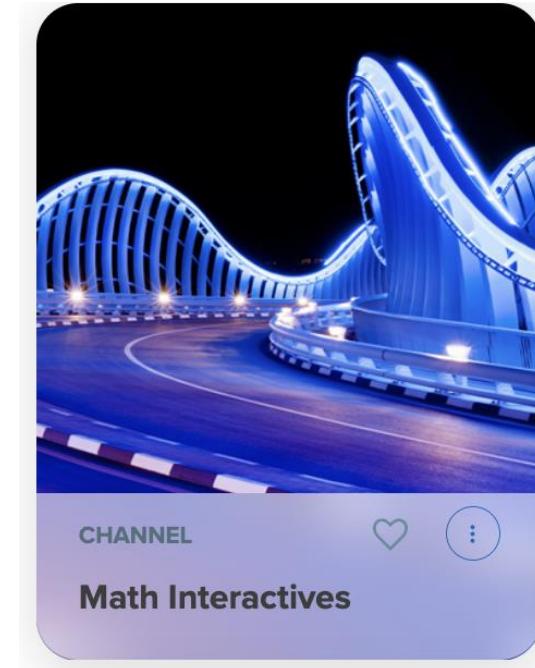
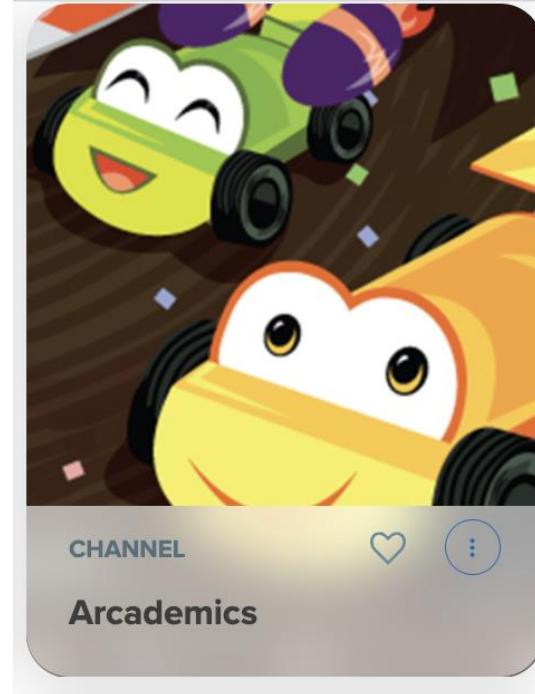
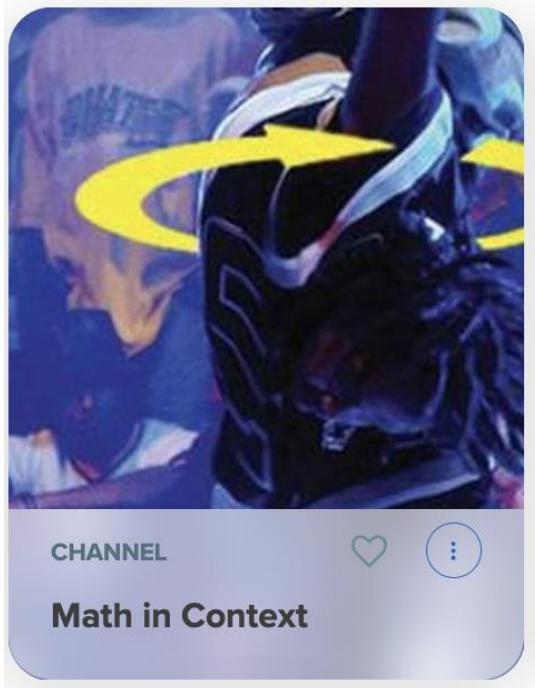
Solve division problems to race other cars and be first to cross the finish line!

3-5 6-8

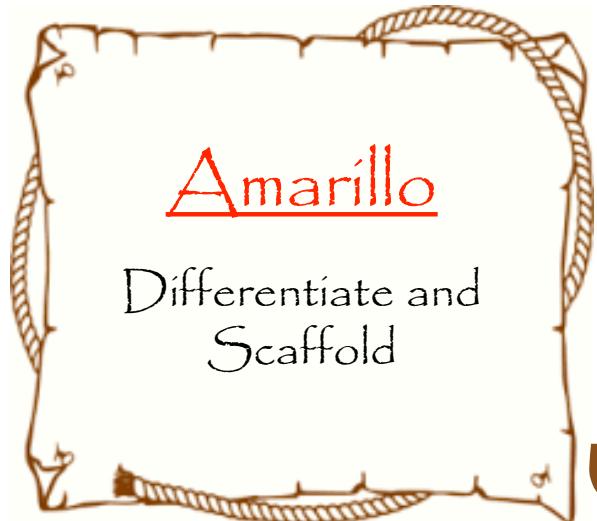
# Discovery Education Experience: Math Videos



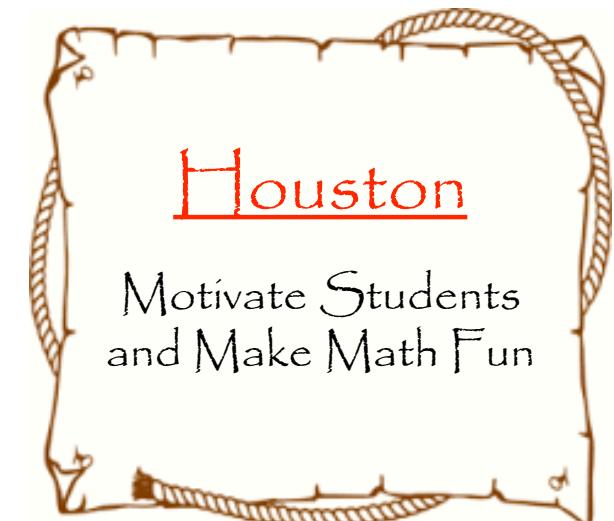
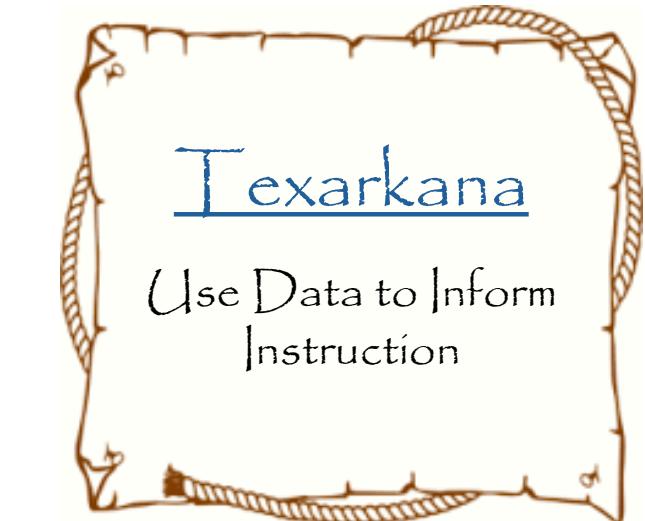
# Discovery Education Experience Math Channels



# Reminder...



★  
**What is most important  
to you in your math  
classroom?**





# Choose your own trail ride...

*Explore both resources while thinking about “the most important part of your math classroom”. How could you use either or both resources?*

UN:

dblteacher@dreambox.com

PW: dreamboxmath



<https://tinyurl.com/j5zwhtdc>



<https://tinyurl.com/akh2kdsb>



<https://tinyurl.com/DETCEAMath>

# LOG IN NOW!



Username: **DE\_TCEA25**  
Password: **Discovery**

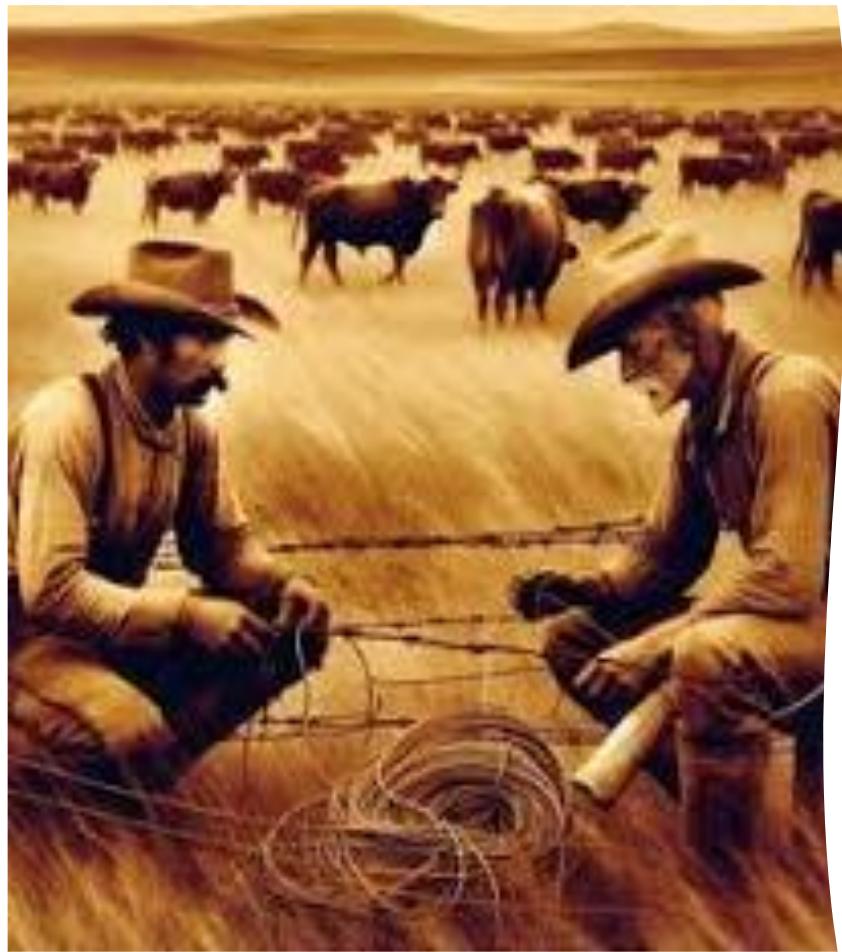
1. Scan or visit **discoveryeducation.com**
2. Click "Log In"
3. Type in the credentials above!



Science for Texas - Grade 5

SCIENCE FOR TEXAS - GRADE 5  
**Welcome Back, Emily!**





Turn to your partner  
and chat a bit.

- What did you notice?
- How do you see this fitting into your current math instruction?
- How does this address your instructional goal selected in the Four Corners activity?

# Campfire Chat...

## SOS Strategy - AEIOU

**A** = Adjective

(What word describes what you saw or learned?)

**E** = Emotion

(How are you feeling about what you just learned?)

**I** = Interesting

(What was one point you found interesting today?)

**O** = Oh!

(What surprised you today?)

**U** = Um?

(What is a question you have?)





Happy Trails to you...  
Thanks for joining us!