

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



Amarillo

Differentiate and Scaffold

Texarkana

Use Data to Inform Instruction

Marfa

Address Learning Loss and Improve Math Achievement

Houston

Motivate Students and Make Math Fun



What is most important to you in your math classroom?

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



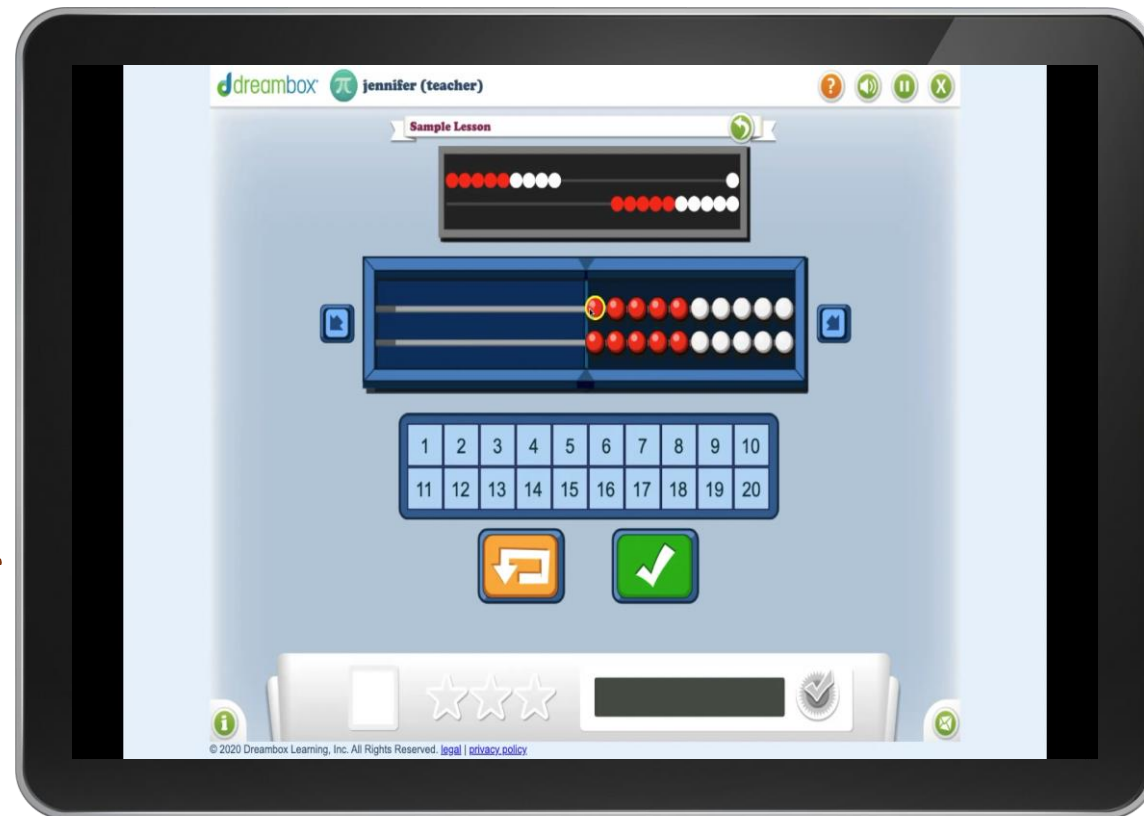
6 - 8

Intentional Lesson Design



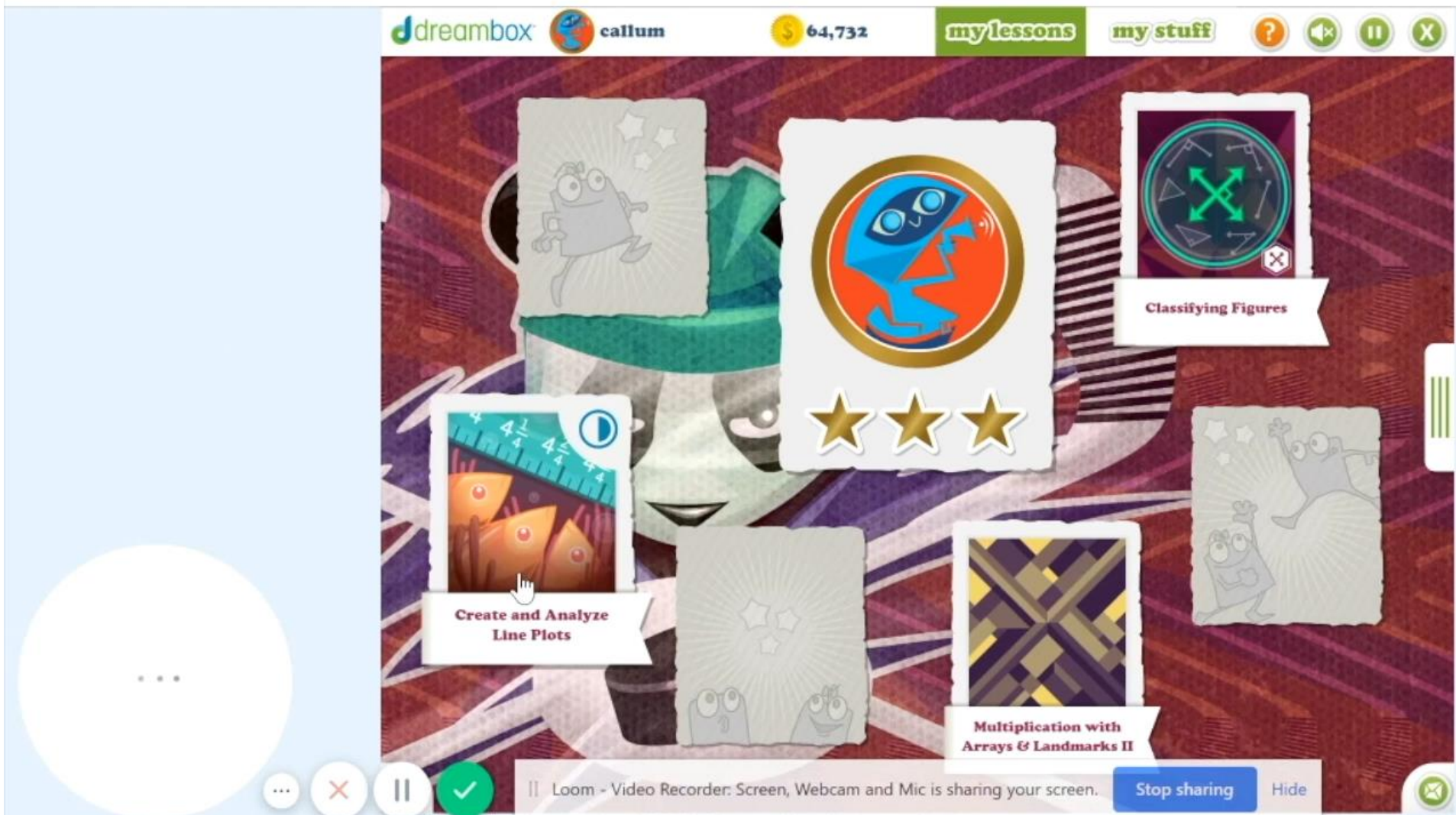
Students engage with various learning tasks across one of three different lesson types:

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

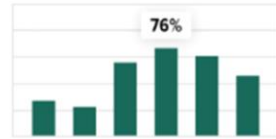


Sample Addition Lessons

3-5 Student Play Demo



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

	<	K	1	2	3	4	5
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

	K	1	2
Last, First			
Last, First			
Last, First			
Last, First			

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)	MD								G	PV			CO			AS			EE				M		
	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 Numb...	Round & Compare Fracti...	Round & Compare Whole ...	Equivalent Fractions on a...	Equivalent Fractions with...	Fluency: Fractions & Decl...	Add and Subtract Decimals	Add and Subtract Fractio...	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...
	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	
	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
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
Students [25]																Standards Report:									
Arleen C																Add Assignment by: <u>Topic or Standard</u>									
Berry V																									

Standards Report:

Close 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

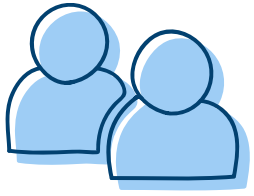
Fraction Multiplication II

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.

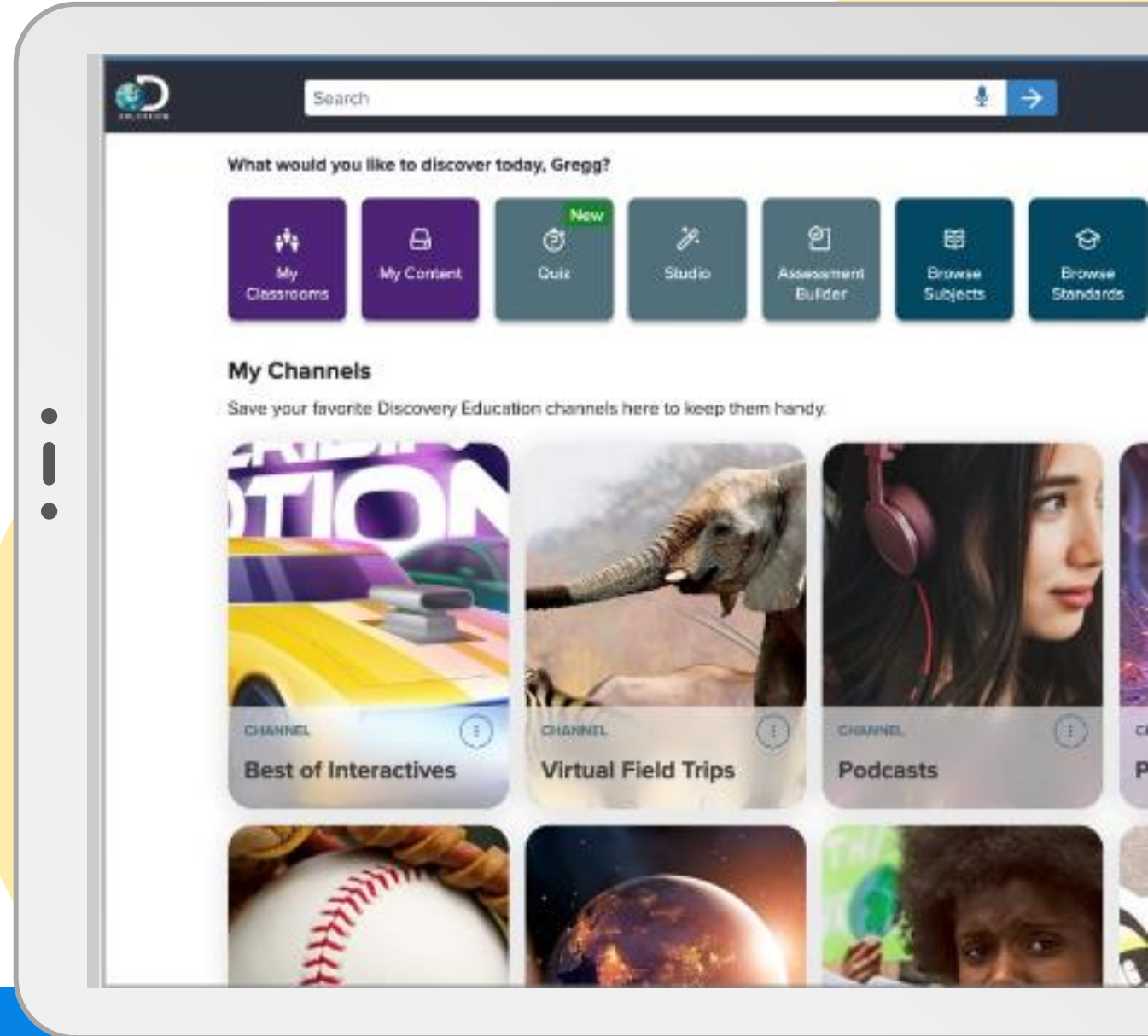
Short-Term Assignments: Great for introducing a concept, reinforcing a topic taught in class, or additional review.

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

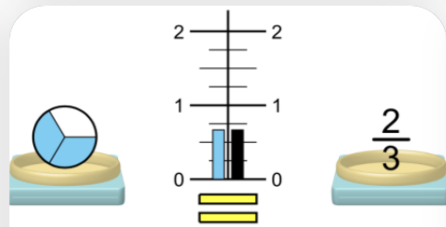


Engaging Students with Supplemental Resources

- 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

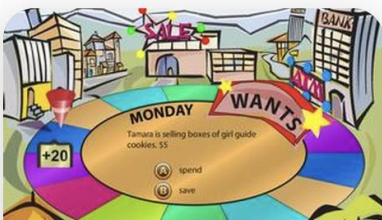


Fraction Matcher

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

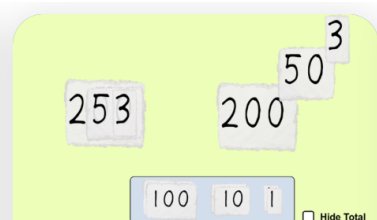


How Our Economy Works: Spend, Save, Spin

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

[Show more](#)

PreK-2 3-5



EXPLORATION

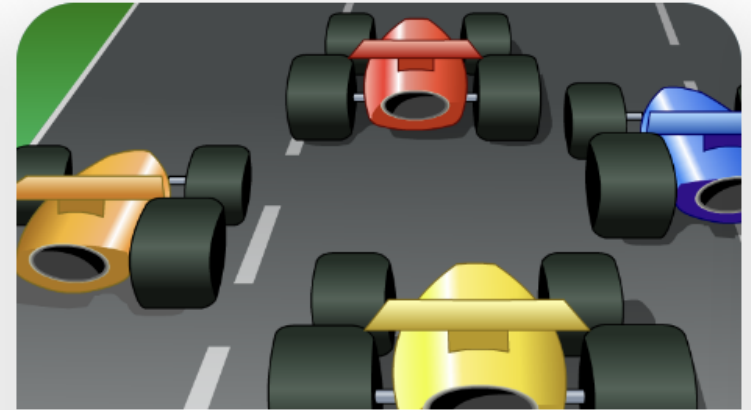


Make a Ten

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

[Show more](#)

PreK-2 3-5



SKILL BUILDER

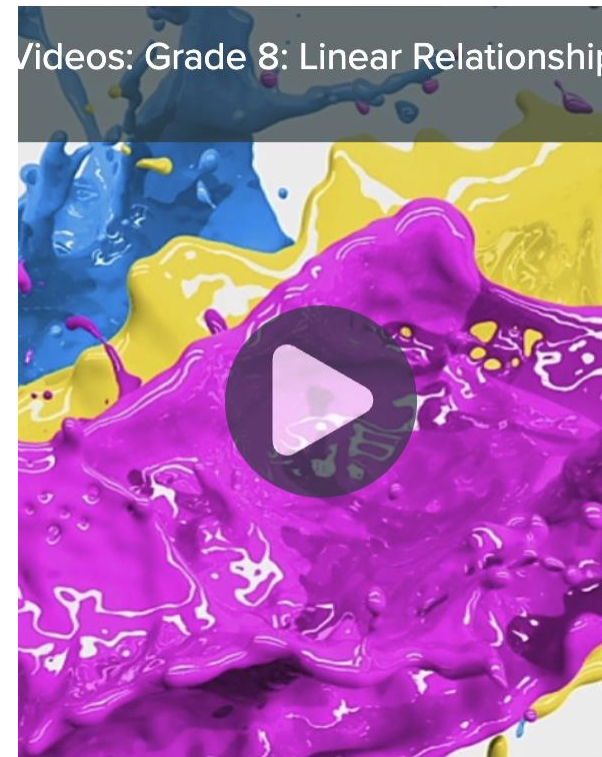
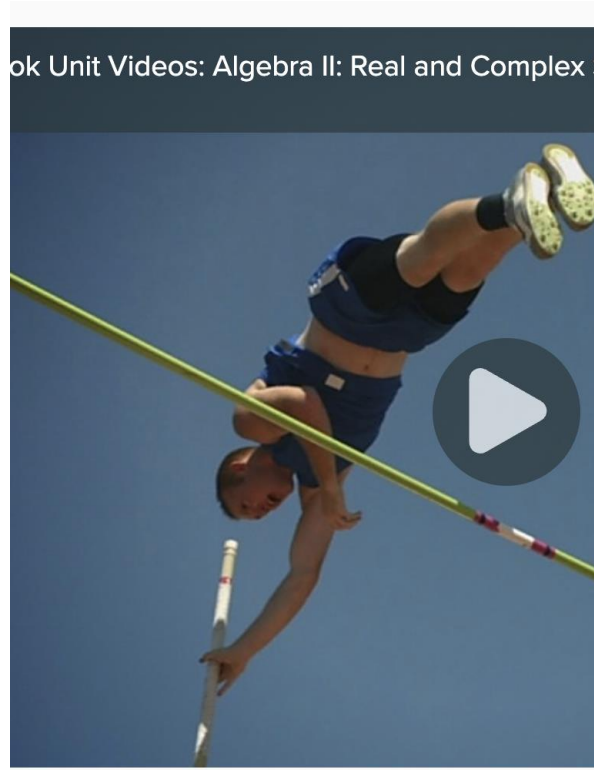
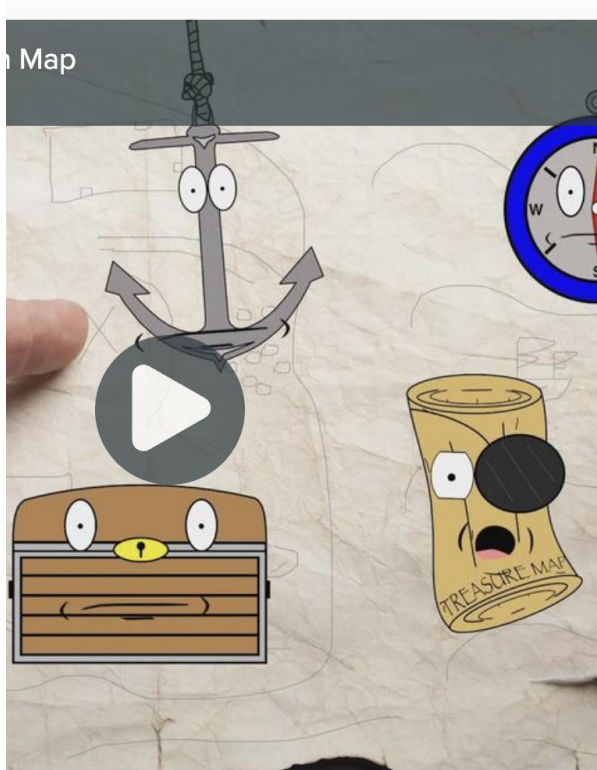


Drag Race

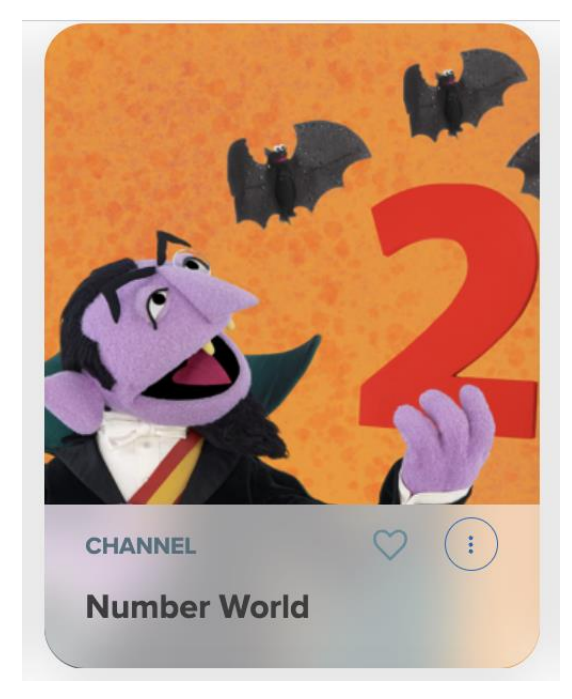
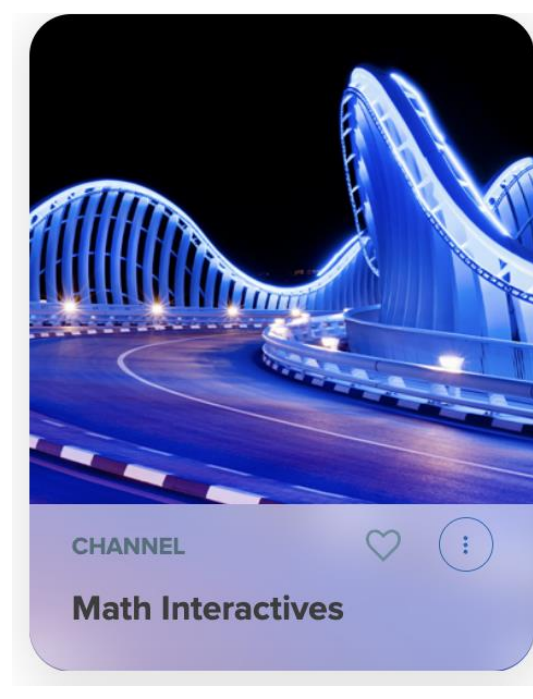
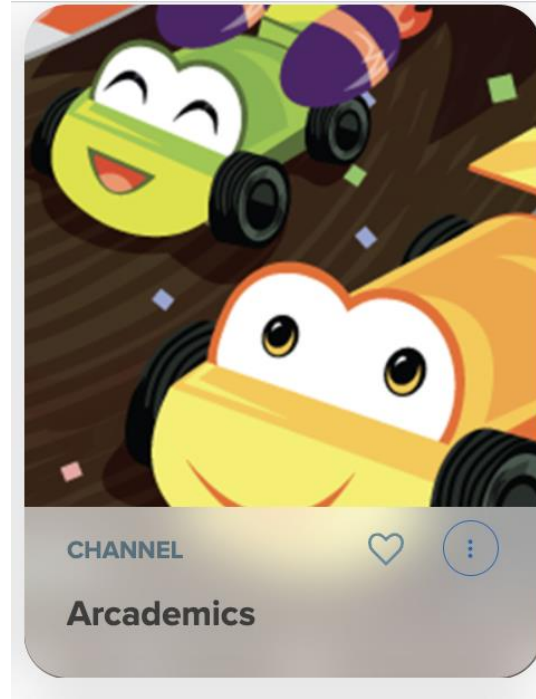
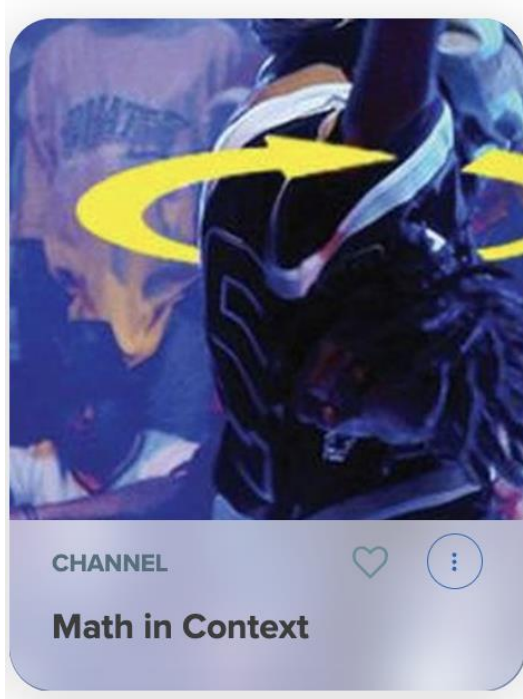
Solve division problems to race other cars and be first to cross the finish line!

3-5 6-8

Discovery Education Experience: Math Videos



Discovery Education Experience Math Channels



Reminder...



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What is most important to you in your math classroom?



Find your corner!





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>



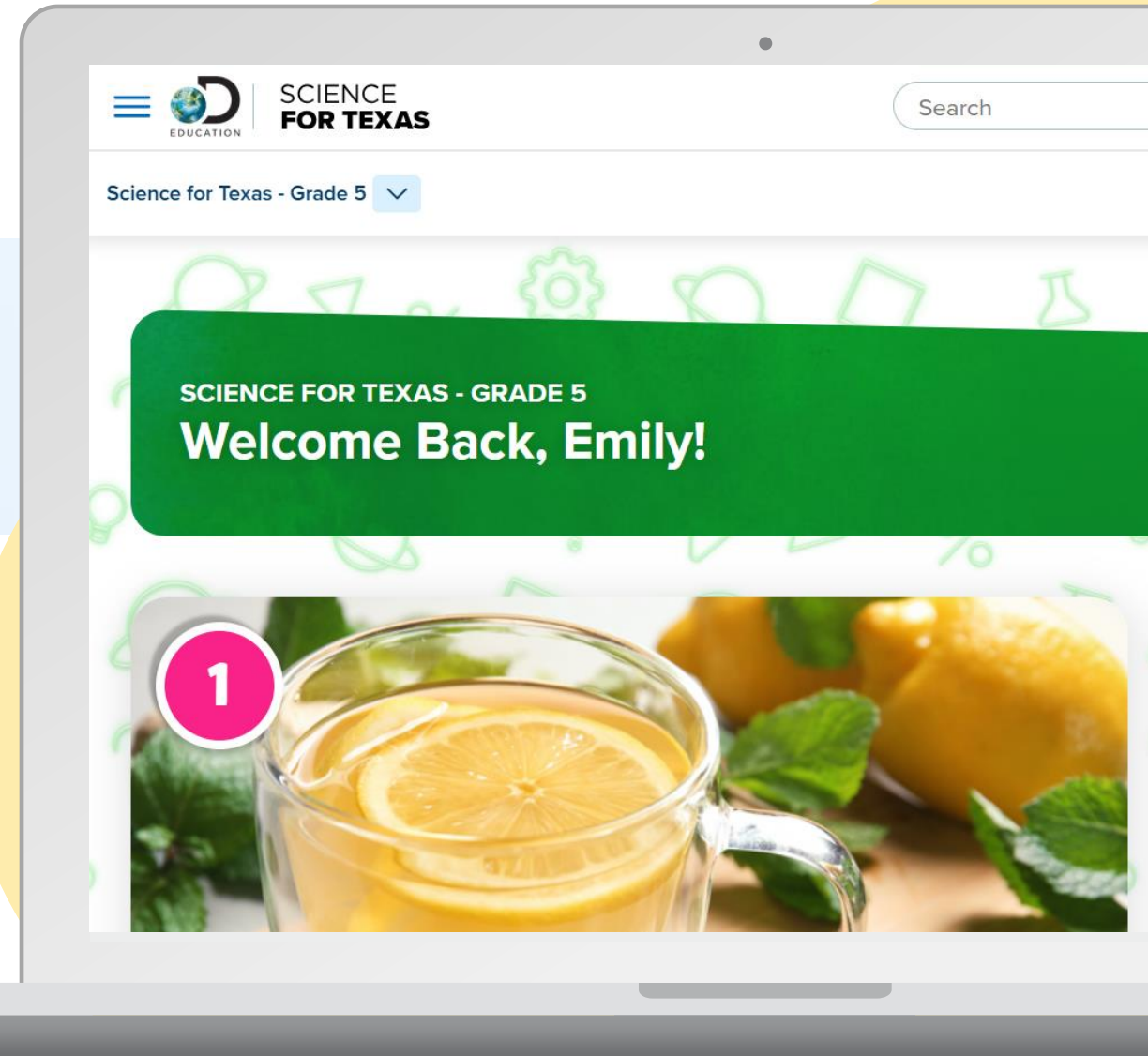
<https://tinyurl.com/DETCEAMath>

LOG IN NOW!



Username: **DE_TCEA25**
Password: **Discovery**

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





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!