Flip the Grid for Purposeful Mathematical Discourse Through Technology

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Flipgrid

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RICH CLASSROOM DISCOURSE

Rich classroom discourse offers students a way to express their ideas, reasoning, and thinking. Classroom discourse can be a central element of acquiring mathematical knowledge and understanding the nature of mathematics.

Students need frequent and regular opportunities to express their thinking. We know that students benefit from tackling challenging problems, with regular opportunities to express their thinking.

English learners benefit greatly from discourse because it provides the opportunity to engage in rich problems as they develop advanced language skills.

Dr. Cathy Seeley

Flipgrid

EQUITY-BASED TEACHING PRACTICE: NOTICING

Noticing generally refers to paying attention to students' mathematical thinking (Jacobs, Lamb, & Philipp, 2010), yet it is a crucial skill for equity-based teaching, noticing helps teachers pay attention to how students position and identify themselves and each other (Wager, 2014).

"A culture of equity maximizes the learning potential of all students." (NCTM 2008)

FLIPGRID

ASSESS

Flipgrid is a <u>GREAT</u> tool to use for assessments

- Authentic and real CFA's
- Culminating projects
- Quick and easy for students to show what and how they know a particular concept or skill
- Easy to grade
  - Built in rubric that is editable
  - Create your own rubric
  - Give immediate feedback
- Students can give each other feedback

FLIPGRID

EXAMPLES OF SIMPLE RUBRICS

RUBRIC

3= Speaks clearly, answers/or explains prompt in a complete sentence with details or examples.

2= Speaks clearly, answers/or explains prompt partially or in incomplete sentences and lack of details or evidence.

1=Does not attend to task,

Attributes of shapes rubric

3= Correctly identifies the shape, if it is 2 dimentional or 3 dimentional, uses attributes to identify the shape.

2= Identifies the shape, uses some attributes to identify the shape.

1= Cannot identify the shape or its attributes.

FLIPGRID

EXAMPLES OF SIMPLE RUBRICS

For more rubrics check out Eric Palmer.

https://pvlegs.com/effectiverubrics/

He uses a method for public speaking called PVLEGS.

P= Poise
V= Voice
L= Life
E= Eye Contact
G=Gestures
S= Speed

Name _____ Date _____
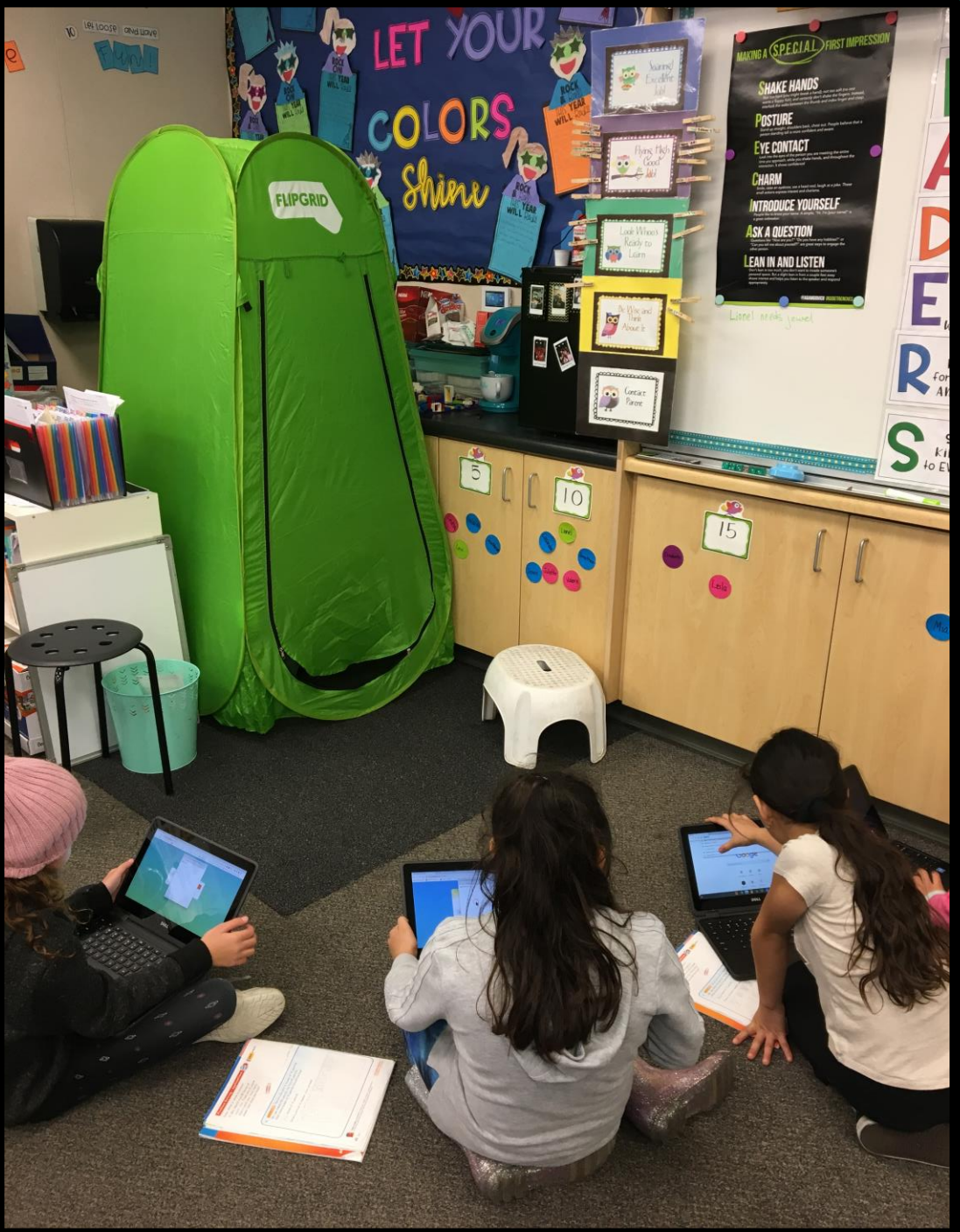
Content Rubric

I planned a beginning, middle, and end	
I used pictures, drawings, or props	
I knew my content and was able to answer questions	

FLIPGRID

Students waiting "in line" to use the voice pod.

FLIPGRID

Contemporary Art and Design Hour 4

by Elizabeth Maddy

5 Topics

488 videos   **7981** views   **121.3h** engagement

YouTube

Mar 10 2018

Michela Picchi

As a follow up to our discussion on modern commercial artists, share your critique of Michela Picchi's work featured by Apple.

📄 **Michela Picci Group Research**
Google Doc

28 videos

Welcome to class!

1:14

Welcome to class!

Welcome to our Grid! This is a place where we will learn from another by sharing our thoughts, stories, and experiences.

In less than 90 seconds, please introduce yourself and share a hobby or two!

---

6   💡 3   😊 9   🎉 7   😎 8   ...

Adam S
187 views   Feb 17, 2018 3:41p

...ummary on my #DesignThinking report. I LOVED is project!

🔗 https://docs.google.com/document

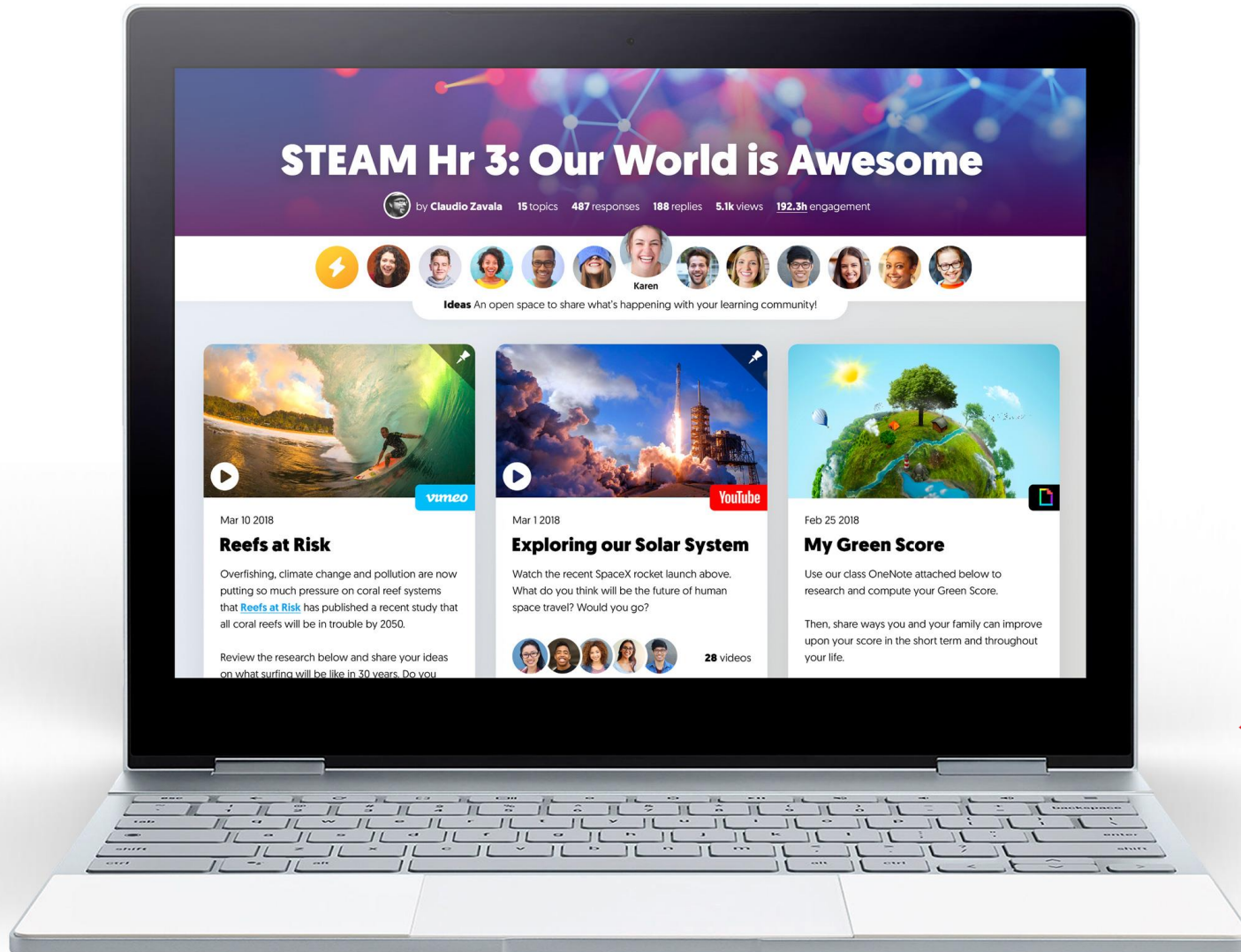**FLIPGRID** is simple.

STEP ONE

CREATE A GRID

A GRID IS FOR YOUR STUDENTS, PERSONAL LEARNING COMMUNITY, STAFF, SCHOOL, OR ANYONE!

🔒 YOU CAN CONTROL ACCESS TO YOUR GRID.

🖌 PERSONALIZE YOUR GRID WITH A CUSTOM BANNER, TITLE, PURPOSE, AND FLIP CODE.

FLIPGRID

STEP TWO

ADD TOPICS

TOPICS ARE DISCUSSION QUESTIONS, THEMES, OR CHALLENGES FOR YOUR GRID COMMUNITY.

👁 YOU CAN MODERATE VIDEOS.

USE ANY MEDIA FOR YOUR TOPIC:

ATTACH A FILE OR WEBSITE TO YOUR TOPIC:

Mar 10 2018

Reefs at Risk

Overfishing, climate change and pollution are now putting so much pressure on coral reef systems that **Reefs at Risk** has published a recent study that all coral reefs will be in trouble by 2050.

Review the research below and share your ideas on what surfing will be like in 30 years. Do you think there will still be a professional sport?

📄 **Sustainability 2017 Global Report**
Google Doc

28 videos

Mar 1 2018

Exploring our Solar System

Watch the recent SpaceX rocket launch above. What do you think will be the future of human space travel? Would you go?

31 videos

FLIPGRID

STEP THREE

STUDENTS SHARE

STUDENTS RESPOND TO TOPICS THROUGH SHORT VIDEOS THAT ARE SHARED WITH YOUR COMMUNITY.

⏱️ SET THE STUDENT VIDEO RESPONSE LENGTH.

🔁 STUDENTS HAVE UNLIMITED RETAKES AND CAN PAUSE/FLIP THE CAMERA.

🕶️ STUDENTS CAN PERSONALIZE THEIR GRID IMAGES WITH STICKERS AND DRAWINGS.

📎 STUDENTS CAN ADD TITLES, HASHTAGS, AND ATTACHMENTS.

FLIPGRID

Let's Practice
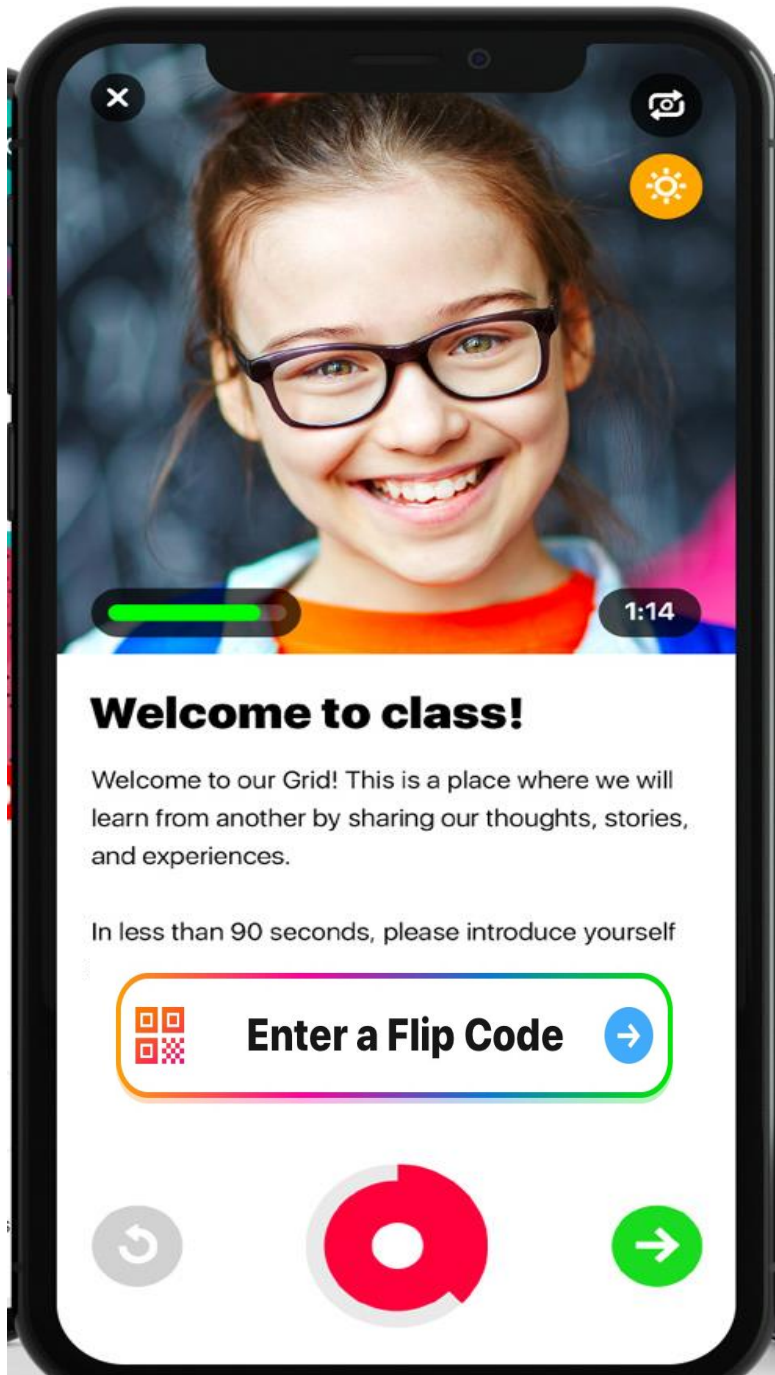
INTRODUCE YOURSELF
1, GO TO FLIPGRID.COM
2. TYPE IN THE CODE
20dc609b
3. RECORD
4. TAKE A SELFIE
5. POST IN OUR NCTM GRID/TOPIC

FLIPGRID

FLIPGRID

DISCOVERY LIBRARY

Epic Fails

Imagine if failure wasn't considered a bad thing, but instead celebrated? Discuss a time you epically failed at something you tried to do and explain what you learned from your experience. How did that failure help you in the future? How can we celebrate failures?

Parent/Teacher Conferences

Tell your parents/guardians at home how you are doing in school so far this year. Answer the following questions in your response:
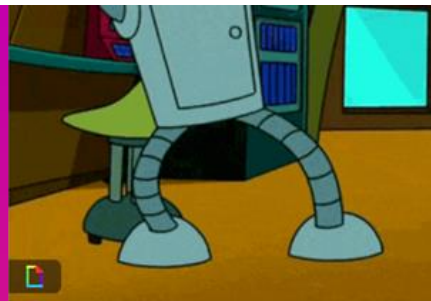
#Hashtag Exit Slip

Create a hashtag to represent your understanding of today's lesson. Show your hashtag & explain it.

What are you thankful for today?

Good news! Gratitude is a major predictor of happiness! Please take a few minute to watch this video from the John Templeton Foundation and reflect on what you are thankful for today. Please make a quick video to share just one thing you are thankful for with the class. You only have 15

Would You Rather...?

Would you rather have a homework robot or a robot that cleans your room? Pick & defend your opinion!

Would You Rather? Suggestion Box
Web

Hour of Code 2017

Hour of Code is celebrated during Computer Science Education Week yearly. World-wide Hour of Code is an intro. to computer science, promotes that anyone can learn coding &

Boundin' to Find THEME

Watch the short video Boundin'. What do you think the theme of this story is? (**THE ME**ssage the story is trying to communicate) Using the document attached, carefully analyze the story as you work to find the theme!

Searching for a Theme
Web

Winter Break Book Club

Read an excerpt from a book you are reading over the winter break.
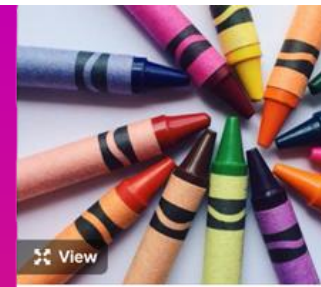
How can you Flipgrid?

How can you use Flipgrid to increase engagement, enhance student voice and check for understanding in your classroom?

Sight Word Studio!

We know sight words, yes we do!
We know sight words, how 'bout you?
Choose a sight word from the basket. Using your dry erase board and marker, record a video reading the sight word, writing it 3 times, and

Dear Future Student

Leave some advice for the students th your grade next year. Tell them things they should know about being in that examples include what they can expe will learn, and tips for being successfu

#OneWord2018

Share your #OneWord2018 with other and teachers all over the globe!
Make a copy of the attached HyperDo complete to come up with your OneWord
Add a response. Please share your firs your state then what your #OneWord why you selected it.

Area or Perimeter Story Problem

Be sure to explain each step during your Flipgrid video. You may use your graphic organizer during the video or a dry erase board.

1. Look for clue words, decide: Perimeter or Area?
2. Draw a picture.
3. Write a formula (equations)
4. Solve.

Add this Topic

Select a Grid ▾ | Add

Topic will be hidden when added and can be edited

Topic created by
Christy Morgan

Goal
Content (Prior Knowledge)

Subject
Math

Audience
Elementary School

Times used
3

Engagement Ignited
0 seconds

Integration Notes

Complete the graphic organizer with 4 of your Area or Perimeter Story Problems. Then explain one story problem using the 4 step strategy, next read a story problem so other students can solve it on the graphic organizer too!

FLIPGRID

HOW DO YOU FLIPGRID?

PREK-8

CLASS INTROS / ICEBREAKERS
BOOKTALKS
CLASS NEWS / SCHOOL EVENTS
MATH / STEAM JOURNALING
CONTENT CHECK-INS
SHARED LEARNING PROCESSES
GOAL SETTING
PARENT / FAMILY INVOLVEMENT
GLOBAL PEN PALS
WHAT IF SCENARIOS
MUSIC / ART PERFORMANCES
JUST FOR FUN
VIRTUAL FIELD TRIPS
AHA MOMENTS / WONDERINGS
END OF YEAR MEMORIES
CURRENT / HISTORICAL EVENTS
PLACES / TRAVEL

HIGH SCHOOL

CLASS INTRODUCTIONS
CONTENT CHECK-INS
SHARED LEARNING PROCESSES
GOAL SETTING
EXPERT DISCUSSIONS
CLASS NEWS / SCHOOL EVENTS
REFLECTION-IN-ACTION
INTERVIEW / REENACTMENT / SKITS
BOOK REVIEWS
SPORTS / TEAM TRAINING
PROJECT TEAM COLLABORATION
CLASSROOM CONNECTIONS
MUSIC / ART PERFORMANCES
PROJECT PROCESS REFLECTION
END OF YEAR MEMORIES
STUDENT COUNCIL VOTING
SCHOOL AUDITIONS

UNIVERSITY

WEEKLY CHECK-INS
ARTICLE REFLECTIONS
THESIS / DISSERTATION REVIEW
CONTENT EXPERIENCE
QUALITATIVE RESEARCH
FOCUS GROUPS
CURRENT EVENTS
GOAL SETTING
ONLINE SOCIAL PRESENCE
MENTORING CONNECTIONS
EXPERT CONNECTIONS
PROJECT TEAM COLLABORATION
UNIVERSITY CENTERS
COURSE FEEDBACK
PROJECT PROCESS REFLECTION
ADVISOR CHECK-INS
SPORTS / TEAM TRAINING

STAFF + PLC

STAFF / DISTRICT INTRODUCTIONS
PARENT-TEACHER CONFERENCES
VIDEO VOICEMAIL
DEPARTMENT MEETINGS
EDCAMP REFLECTIONS
PARENT / FAMILY INVOLVEMENT
BEST PRACTICE DEVELOPMENT
CONFERENCES / EVENTS
ASYNCHRONOUS GROUP CHAT
PARENT COMMUNICATION
VIRTUAL SCIENCE FAIRS
YEARBOOKS
GLOBAL ENGAGEMENT
ALL-SCHOOL CAREER DAY
BOOK DISCUSSIONS
GOAL SETTING

FLIPGRID

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Flipgrid

BETTER TOGETHER 🙌

FLIPGRID WORKS EVERYWHERE YOUR STUDENTS ARE ALREADY LEARNING.

canvas

Teams

Edmodo

Blackboard

Google Classroom

OneNote

moodle

schoology

brightspace
by D2L

Sway

WORDPRESS

PowerSchool

CHROMEBOOKS, IPADS, ALL BROWSERS, IPHONE, OR ANDROID? FLIPGRID HAS YOU COVERED!

Download on the App Store

GET IT ON Google Play

@Flipgrid
Join a global community of supportive Flipgrid educators and catch #FlipgridFever!

resources.flipgrid.com
Check out Flipgrid webinars, use cases, integration docs, and more.

flipgrid.com/webinars
Explore mini-webinars from inspiring Flipgrid educators around the globe.

blog.flipgrid.com
The latest Flipgrid updates, educator spotlights, and community opportunities.
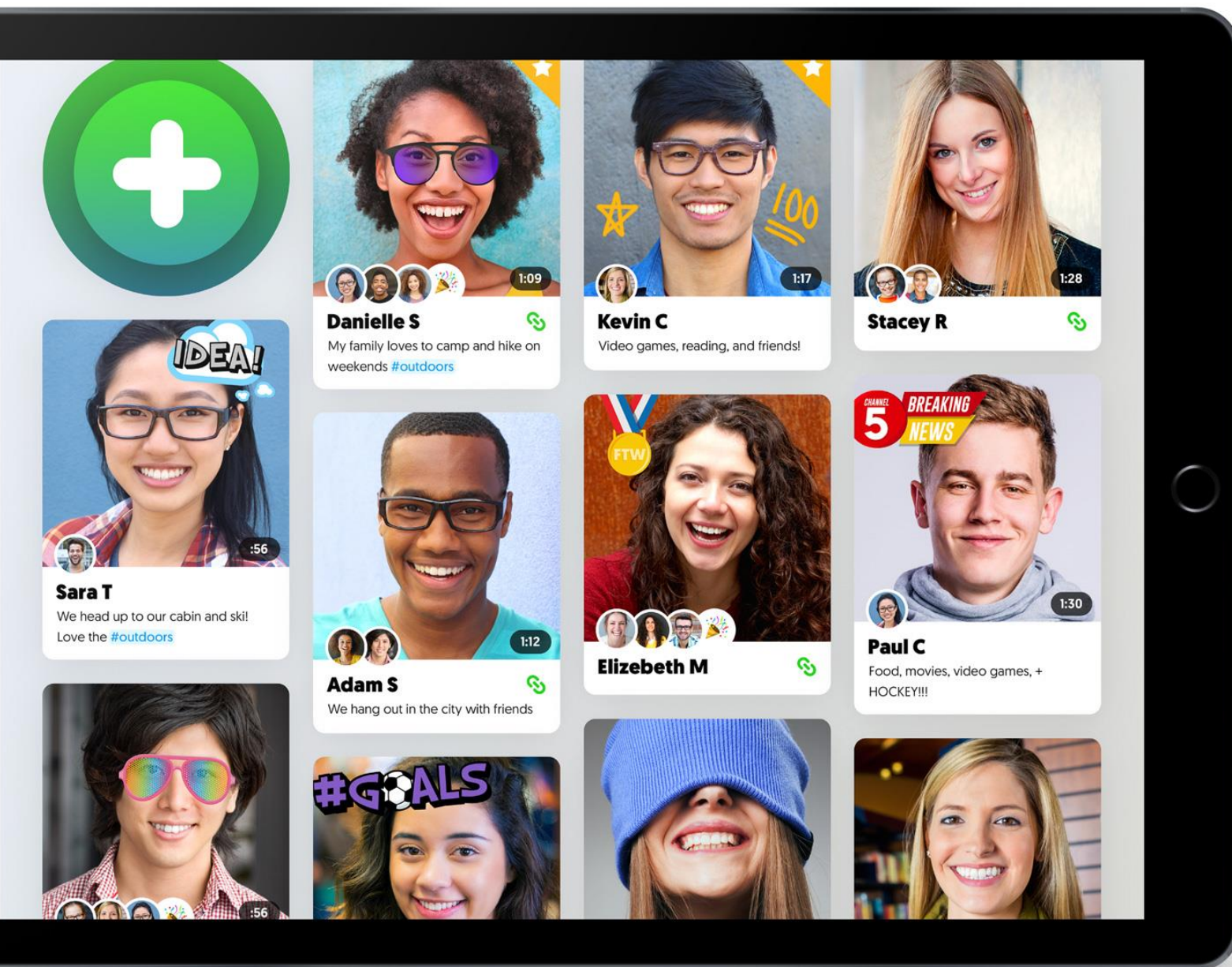
help.flipgrid.com
An educator-created library of information to support you as questions pop up.

flipgrid.com/certified
Listen to 1000s of Flipgrid use case ideas and classroom impact stories.

FLIPGRID

STEP FOUR

LEARNING ❤️ COMMUNITY.

WHEN LEARNING IS SOCIAL, MAGIC HAPPENS!

FLIPGRID