## As we wait to begin...

- In the chat box...
  - Please Introduce yourself
    - Share your name,
    - Indicate where you joining us from,
    - Share your professional role, and
    - Last timer? What tech tool did you try and how did it go?
       First timer? What are you hoping to walk away with?



# Formative Feedback: Navigating the Complexity of Engaging Student Thinking

May 6, 2020









# Welcome and webinar etiquette

- Please mute your audio if lines are open
- Please turn off your video to save bandwidth
- Use the chat feature to post thoughts and ask questions
- Be an active participant
- Be respectful
- Provide feedback
- This session will be recorded (including all use of the Chat)

#### **Transitions**

- Webinar will require transitioning between Go to Meeting and your web browser to demonstrate various the tools.
- If you are comfortable doing this please do so, if not, you will still be able to engage in the learning.
- If you do transition, remember to get back to the webinar find and click on your Go to Meeting app in your toolbar.



## Welcome; Introduction of presenters

- Tara Kintz, Michigan Assessment Consortium kintztar@msu.edu
- Ed Roeber, Michigan Assessment Consortium roeber@msu.edu
- Ellen Vorenkamp, Wayne RESA
   <u>Vorenke@resa.net</u>
- Kimberly Young, Michigan Department of Education youngk1@Michigan.gov



#### What is the MAC?

An education assessment-focused, non-profit organization.

A statewide consortium, governed by a volunteer board, serving our LEA's, ESEA's, education associations, SEA, and community.

**Mission** of the MAC is to improve student learning and achievement through a system of coherent curriculum, balanced assessment and effective instruction. We do this by *collaboratively by:* 

- Promoting assessment knowledge & practice
- Providing professional learning
- Producing and sharing assessment tools and resources



#### The MAC believes...

Assessment Literacy is essential for those making important decisions about students, educators, and educational systems based on student data. Yet, evidence shows that too few educators understand the fundamental concepts and procedures of educational testing. Even fewer policy-makers, students, and families understand the important role of assessment in helping all students achieve at high levels.

The MAC actively engages state and national leaders in exploring what it means to be assessment literate. We continuously develop resources to support assessment knowledge, dispositions, and performance among each education stakeholder group.

## **FAME Project**



- Since 2008
- Learning Team Coach model
- Team continues to meet during the school year and locally determined
- Teams are encouraged to stay together for 3 years
- Learning Guide and website resources
- Learn, connect, practice and reflect

#### How does FAME define the formative assessment process?

"Formative assessment is a planned, ongoing process used by all students and teachers during learning and teaching to elicit and use evidence of student learning to improve student understanding of intended disciplinary learning outcomes and support students to become more self-directed learners."

(CCSSO FAST SCASS, revised June 2017)

Fame Learning Guide

#### Session outcomes

1

Understand the characteristics of formative feedback

2

Recognize the impact formative feedback has on student learning

3

Attain an increased awareness of online tools that support the use of formative feedback

# Recently heard

"You can learn without grades but not without feedback."

- Ken O'Connor

April 28, 2020

Michigan Assessment Consortium Webinar



### **Characteristics of Formative Feedback**

Respond in the chat box:

What is one word that comes to mind when you think about effective FORMATIVE FEEDBACK?

### How does FAME define formative feedback?

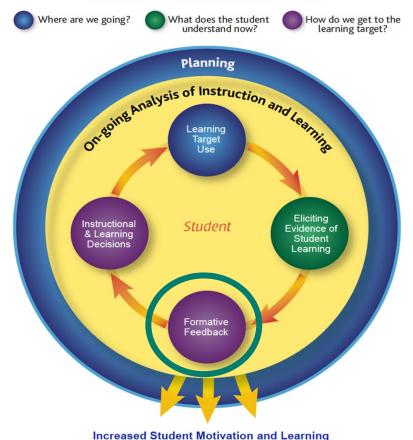
"Formative feedback, verbal and written, is provided to students to help them understand how close they are to the learning targets and what they can do to move closer. An important attribute of formative feedback is to identify not only what students are struggling with, but also what they are doing well."

—FAME Learning Guide

## **FAME Components**

#### The Formative Assessment Process

Formative Assessment Guiding Questions:



#### Where are we (student and teacher) going?

- Planning
- Learning Target Use

#### What does the student understand now?

Eliciting Evidence of Student Learning

# How do we (student and teacher) get to the learning target?

- Formative Feedback
- Instructional and Learning Decisions

FAME Learning Guide

Guiding Questions		
Where are we (teacher and	Planning 1.1—Instructional Planning: planning based on knowledge of the content,	
students) going?	<ul> <li>standards, pedagogy, formative assessment process, and students.</li> <li>Learning Target Use</li> <li>2.1—Designing Learning Targets: the use and communication of daily instructional aims with the students</li> <li>2.2—Learning Progressions: connection of the learning target to past and future learning</li> <li>2.3—Models of Proficient Achievement: examples of successful work for students to use as a guide.</li> </ul>	
What does the student	Eliciting Evidence of Student Understanding  3.1—Activating Prior Knowledge: the opportunity for students to self-assess or	

#### Formative Feedback

- 4.1—Feedback from the Teacher: verbal or written feedback to a student to improve his or her achievement of the learning target
- 4.2—Feedback from Peers: feedback from one student to another student about his or her learning in relation to a learning target
- 4.3—Student Self-Assessment: the process in which students gather information and reflect on their own learning in relation to the learning goal.

#### **Instructional and Learning Decisions**

5.1—Adjustments to Teaching: teachers' daily decisions about changes to

#### What does formative feedback look like?

#### Formative feedback...

- Relates to learning targets
- Identifies strengths and areas for growth
- Is timely—can be used to improve progress
- Must be <u>Descriptive</u>—specific, can be in the form of questions
- Must be actionable—concrete information

#### Formative feedback IS NOT...

- General comments
- Edits of mistakes
- Provided after learning is over –
   at the end
- <u>Evaluative</u> grades, scores, checkmarks, judgements
- Theoretical and conceptual comments or brief general phrases

# Nudging learning along

"Nudge" a light touch or gentle push



## Using questions as feedback

#### **Questions to Stimulate Student Thinking**

- What was your goal when you \_\_\_\_\_?
- Why is \_\_\_\_\_ an example of \_\_\_\_\_?
- What is the same and what is different about \_\_\_\_\_?
- What does that tell us about \_\_\_\_\_?
- How would you explain \_\_\_\_\_?

# Importance of feedback

"When teachers regularly give feedback that does not focus on simply what is correct and incorrect, but rather values how students are articulating their ideas and making connections with both previous understanding and new ideas, students come to understand how to work toward improvement."

Margaret Heritage

# The impact formative feedback has on student learning

Respond in the chat box:

Think of a time when the feedback you received was impactful. Why?

### Impact of formative feedback



"The power of feedback is that it can help students close the gap between where they are and where they are aiming to be (the learning target)."

## Impact of formative feedback

#### Feedback can be directly related to

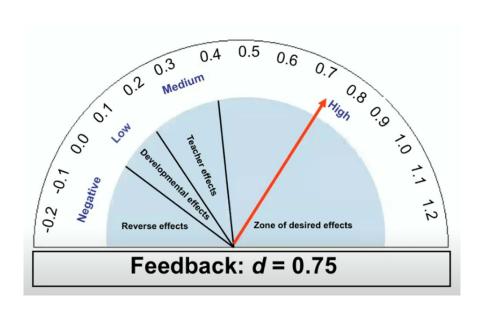
- content or the task in which the student is engaged with,
- the underlying processes, learning tactics or strategies students engage in to complete the task, and
- how students self regulate while learning, behaviors such as self-monitoring, goal setting, reflective thinking, decision making, planning, plan enactment, self-evaluation and management of emotions arising as a result of behavior change.

# Impact of formative feedback

"In almost every list of effect sizes for 'treatments' influencing student achievement, feedback is at or near the top of those treatments which have greatest effect on student learning. Large effect sizes (such as 0.7-1.0 or even higher) are commonly calculated for the effect of teacher feedback on student performance."

- Stephen Dinham, 2008

## Hattie's High Leverage Strategies



1.44	Student Expectations
.90	Formative Evaluation for Educators
.90	Teacher Credibility in the Eyes of the Students
.82	Classroom Discussion
.75	Feedback
.75	Teacher Clarity
.74	Reciprocal Teaching
.72	Teacher-Student Relationships
.69	<b>Metacognitive Strategies (Self and Peer Assessing)</b>
.67	Vocabulary Programs
.64	Self-Verbalization/Self-Questioning
.61	Problem Solving Teaching

# Impact of formative feedback, self and peer

"One study on formative assessment and the effects on students who are learning to write indicated an average effect size for feedback of 0.87 from adults, of 0.62 from self, of 0.58 from peers, and 0.38 from computers."

- Graham, Hiebert, & Harris, 2015

# Impact of formative feedback, self and peer

"Self- and peer-assessment is not likely to come easily or naturally to students in academic settings. However, teachers can help students develop as self and peer assessors through establishing processes and routines that help support learners' development."

Ontario Ministry of Education, 2007

# Implementing self & peer assessment

Structures	Strategies
Prepare students to engage	<ul> <li>Ensure learning target and success criteria are clear and discussed</li> <li>Explain expectations as a resource</li> <li>Create class culture of growth and reflection</li> </ul>
Provide rubrics, guidelines, or other criteria to guide students	<ul> <li>Provide rubrics, checklists, or visual anchors and clearly defined tasks</li> </ul>
Model and explicitly teach the process	<ul> <li>Model and teach the process and skill</li> <li>Provide descriptive and actionable feedback (peer)</li> <li>Model by doing "think aloud" that demonstrates internal thinking (self)</li> </ul>
Facilitate opportunities for students to engage in the process and receive feedback	<ul> <li>Scaffold learning with practice one step at a time and providing feedback that brings awareness of what went well and what may need improvement</li> </ul>
Ensure students have time to reflect on feedback and use it to improve their skill and/or work.	<ul> <li>Provide opportunities to revise their work and set goals for future learning</li> </ul>
27	- FAME Learning Guide

# Four Stages of Feedback

- 1. At the beginning stage, students receive no feedback or the feedback is mainly evaluative (e.g., correct/incorrect or "good job").
- 2. At the next stage, some feedback is descriptive, but it is too directive (essentially gives the answer) or too vague (not "actionable"—student doesn't understand what to do next).
- 3. At the third stage, feedback is descriptive and actionable, focusing on both the outcome of the task (the answer) and how the student arrived at the answer (the process).
- 4. At the fourth stage, feedback is descriptive and actionable, focusing on both the outcome and the process. The teacher monitors students' understanding of the feedback and scaffolds their revisions.

In the chat box indicate, in general...

What stage describes your current practice (or the practice of teachers you support) and what moves could move practice to a new stage?

# Planning template: example



# Impact of feedback

"... can be very powerful if done well. The power of formative feedback lies in its double-barreled approach, addressing both cognitive and motivational factors at the same time. Good feedback gives students information they need so they can understand where they are in their learning and what to do next—the cognitive factor. Once they feel they understand what to do and why, most students develop a feeling that they have control over their own learning—the motivational factor."

Brookhart, 2008



# I'm thinking of a number...



- 1
- 2.
- 3.
- 4.
- 5.
- 6.



# Formative Feedback

Respond in the chat box to the following question:

What roadblocks have you faced as you've tried to provide formative feedback to your students in your new remote setting?

#### **Our Presenters**



- Jonathon Schreur has been an educator for 7 years, spending his first year teaching abroad in a public brick and mortar school in Korea. For the past five years, he has been teaching at Michigan Great Lakes Virtual Academy as a world history, economics, and contemporary world issues teacher. Jonathon has been a member of FAME (Formative Assessment for Michigan Educators) for almost four years, this being his first as a Coach. During previous summers, he has enjoyed leading and facilitating cross-cultural travel experiences for high school students.
- You can contact Jay at <a href="mailto:jschreur@k12.com">jschreur@k12.com</a>

#### Our Presenters



- Lindsey Howe has been an educator for 14 years. She spent her first eight years teaching in two different brick and mortar schools. For the past six years, she has taught at Michigan Great Lakes Virtual Academy, where she started as an English 9 and SAT prep teacher, moved into career development, and then began her current role as the high school literacy coach. Lindsey has been a FAME member for almost four years; this is her first year as a Coach. Lindsey has worked for many years to advocate for virtual teaching and to bridge the "gap" between virtual and brick and mortar.
- You can contact Lindsey at <a href="mailto:lhowe@k12.com">lhowe@k12.com</a>

## Virtual 101

- **Video** When possible, it's important that you use video in live sessions and when recording asynchronous content. When students can see you, they engage more with the content because they connect with a real person.
- **Connection** Before and after sending content to complete, consider connecting (in some capacity) with students so that they are engaged. We often use Remind101 and Google Voice.
- Grounding During live sessions, grounding activities (often bell ringers) are essential. They form connections and tell students, "I care about you and your thoughts." Focus on SEL here.
- **Brain Breaks** Just like in a face-to-face session (maybe even more often), students lose focus, so we use brain breaks to re-focus students. We ask highly engaging questions like, "Would you rather..." and/or "What's your favorite..."

	STANDARDS: What will drive your instruction?	FA Component	Formative Assessment Tools	Comments for Self: How will the data collected be used?	Students to Target: Whole group, small group, individual
		*	*		
		*	*		
		*	*		
	W: What do you want dents to know/learn?  DO: How will students show that they KNOW?		dents to know/learn? show that they KNOW? drive your instruction? FA Component	W: What do you want dents of show that they KNOW?  DO: How will students of show that they KNOW?  STANDARDS: What will drive your instruction?  FA Component  Tools	W: What do you want dents to know/learn?  DO: How will students show that they KNOW?  STANDARDS: What will drive your instruction?  FA Component  Tools  How will the data collected be used?

# Planning tool for virtual FA



## Tech tools and formative assessment

Document Linkhttps://drive.google.c
om/file/d/1CHfm\_nh
NXo37bE8LSH78EIhz9dnAdW/view?usp=sharing







#### Teacher Tech Tools and Formative Assessment

Lindsey Howe and Jonathon Schreur Michigan Great Lakes Virtual Academy

FAME Components and Elements Quick Guide							
Tech Tool	Description	FAME Component(s)	Component(s) in Practice				
Screencast-o-matic  Tutorial Video  SCREENCAST  MATIC	Tool Summary- This tool is perfect for people who would like to record their computer screens to share a lesson, read a book, etc. Users have the option to simply record their screens, or they can also add video of themselves as they share/record.	FAME Component 3: Eliciting Evidence of Student Achievement	Take an exemplary piece of work (student and/or teacher-created) and record explanations about what makes it exemplary. Alternatively, give students pieces of varying levels of expertise, and have them critique them, talking about specific aspects that make them effective or ineffective examples of models for success.				
Eliparid Tutorial Video	Tool Summary- Use this tool to incorporate a class discussion with your	FAME Components 3 and 4:	Create a discussion prompt regarding the causes of WWII.				





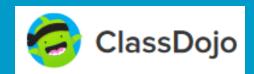












## Component 4

## **Formative Feedback**

You can play along or sit back and watch the magic happen. Either way, buckle up!

#### **Archive of MGLVA Examples-**

https://docs.google.com/presentation/d/1QaPUtiJT 9AYQQxJGC\_ofESC5jRg7-4\_KrjCgdd2T6I/edit?usp=sharing

## Let's model some techniques!



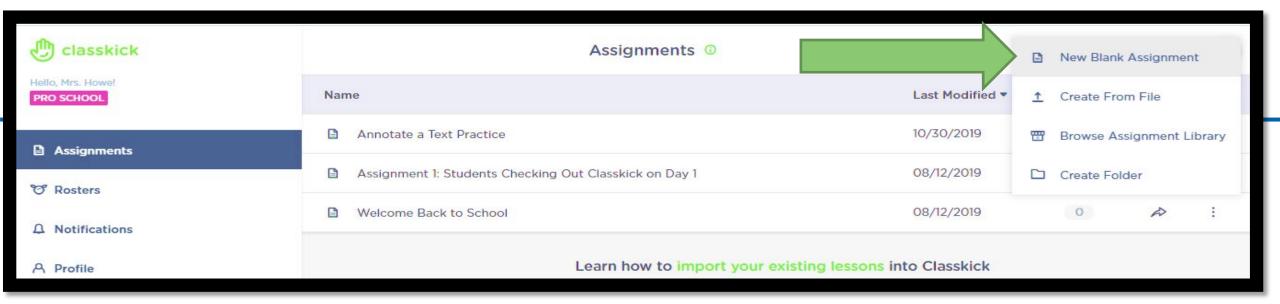






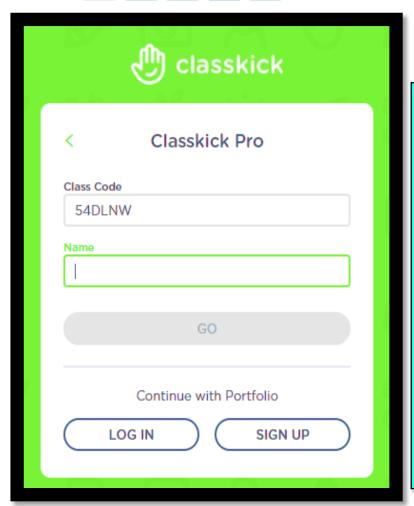
## 4.1- Feedback from Teacher 4.3- Self-assessment

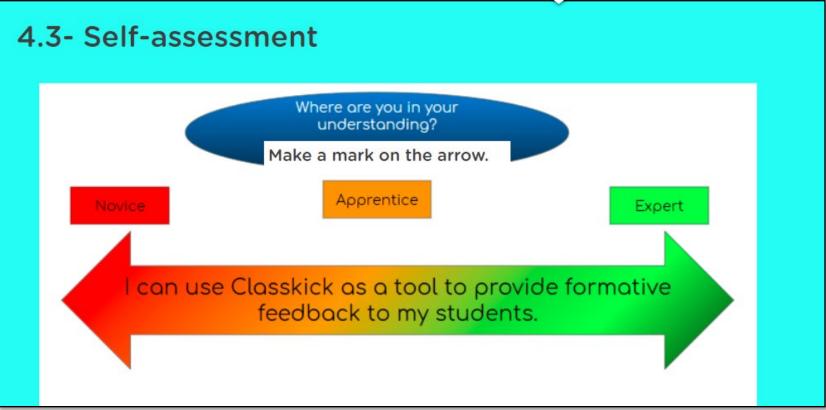




# Let's try it! 4.3 Self Assessment







## Classkick Link and Code

https://app.classkick.com/#/login/54DLNW

**Code 54DLNW** 

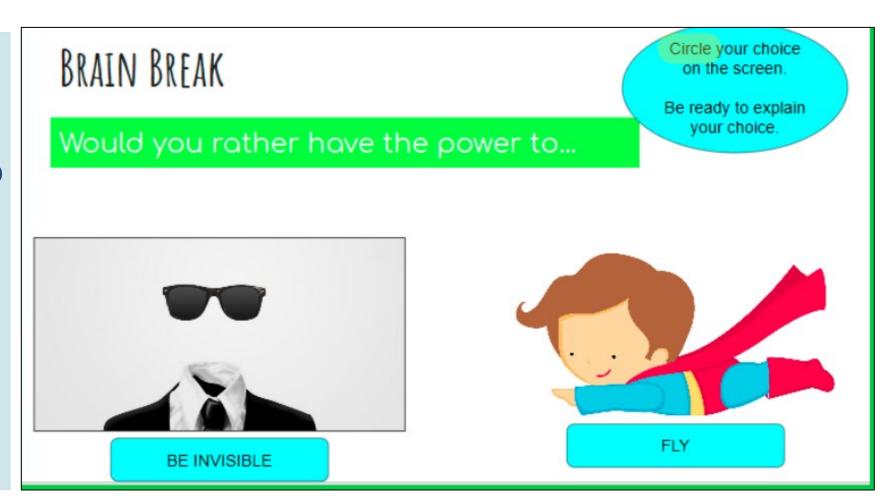
## **Brain Break!**

### Two options to answer:

1. Type your answer into the chat box.

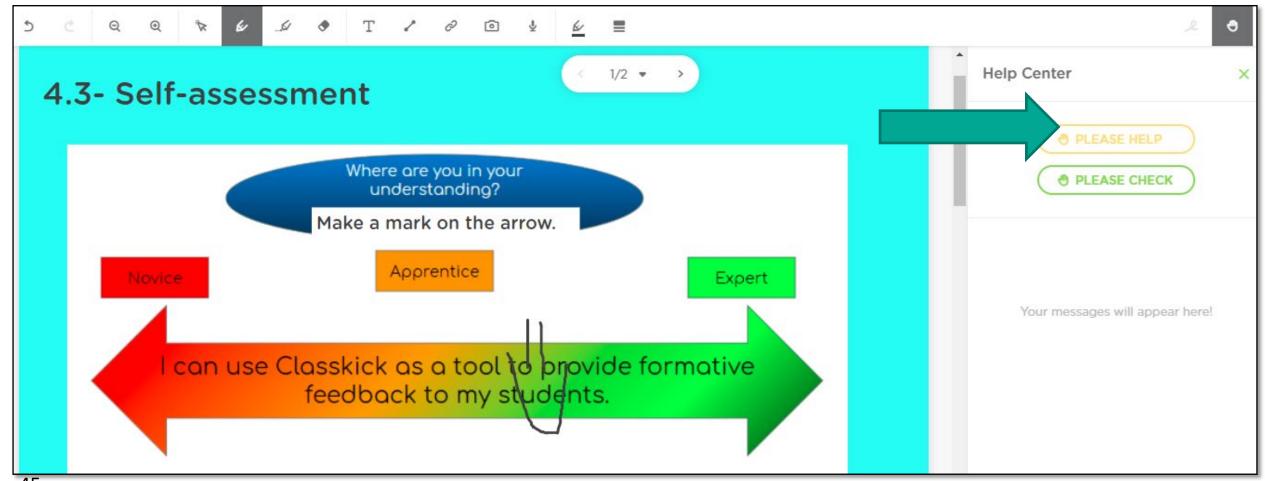
#### OR

2. Circle your answer on the Classkick slide.



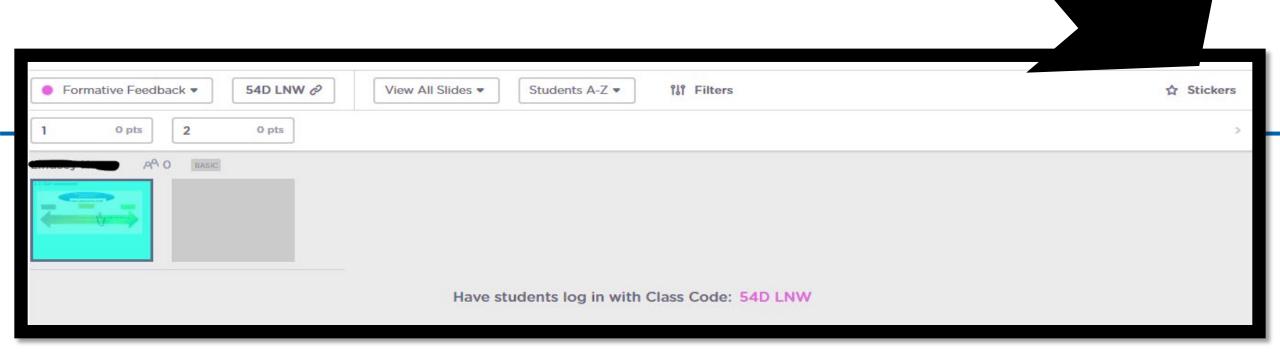
## Get feedback!





## 4.1- Feedback from Teacher



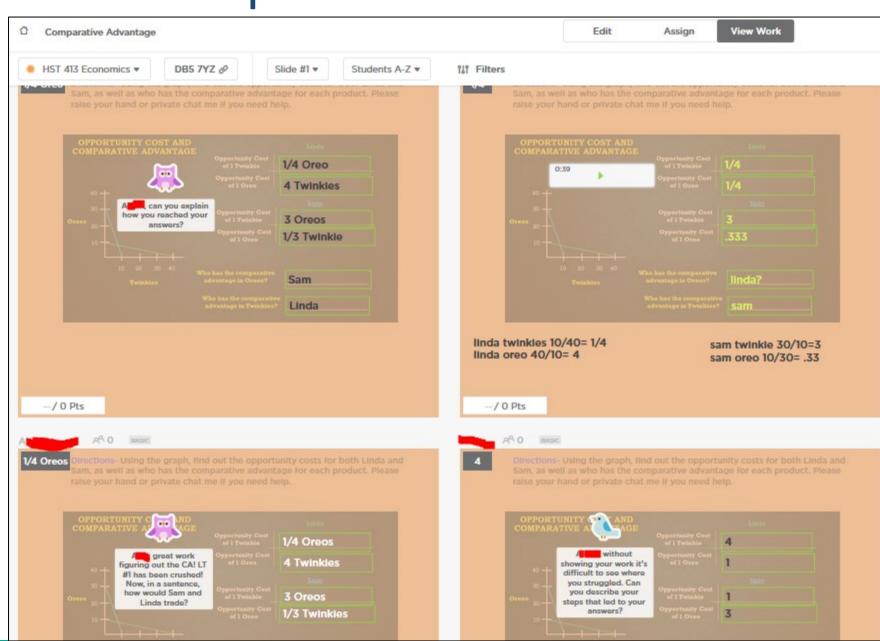


## Economics class example

Classkick offers a wide variety of opportunities to give feedback.

#### You can...

- Provide individualized feedback via text, stickers, audio recordings.
- Option for teacher to allow peer feedback as well.



Yes, it had short arms, but it's 5-8 tons in weight can crush you if it doesn't get you with its sharp teeth first!

#### KILL T-REX BY SOLVING THIS QUADRATIC EQUATION FOR X:

$$2x^2 + 23 = 14x$$

Move the pieces that you need into place to form your answer.

$$x = \frac{7 \pm \sqrt{3}}{2}$$



Nice job solving that quadratic equation! +1 Add customized (silly) stickers.

such as "According to..." or "Paragraph

I says...

I used quotation marks

I created checklist style feedback stickers like these for writing:

#### PERSONAL TARGET >>> PERSONAL TARGET >>>

- Your writing is off topic. Go back and follow the directions in step 3.
- ☐ Then, include each of the items that must be included in the "Identify It" sentence of your paragraph.

- Identify It ■I answered the question
  - ■I included the key topic from the prompt.
  - ■I used most of the words from the prompt.

## PERSONAL TARGET >>> PERSONAL TARGET >>

- Revise your
- Prove It Bring It Back Around ☐ I included at least ONE direct quote ☐ I explain how my evidence proves or
- supports the topic in the first sentence. My quote proves my answer is correct.
   I used a transition/sentence starter ■ I use information from my head to help
  - I use a sentence starter such as "This proves that..," or "Clearly, this proves..."

Use rubric-like stickers.

#### 4.2- Feedback from Peers



#### Make a padlet





Pack content in a brick-like layout.

SELECT



Scatter, group, and connect content in any way.

PREVIEW

Canvas

SELECT



Streamline content in an easy to read, top-to-bottom feed.

PREVIEW

SELECT



Grid PREVIEW Arrange content in rows of boxes.

SELECT









## Padlet examples

1908, Henry ford comes out with his Model T car, which is so affordable and reliable, that everyone buys this car, resulting in temperature.

✓ GRADE

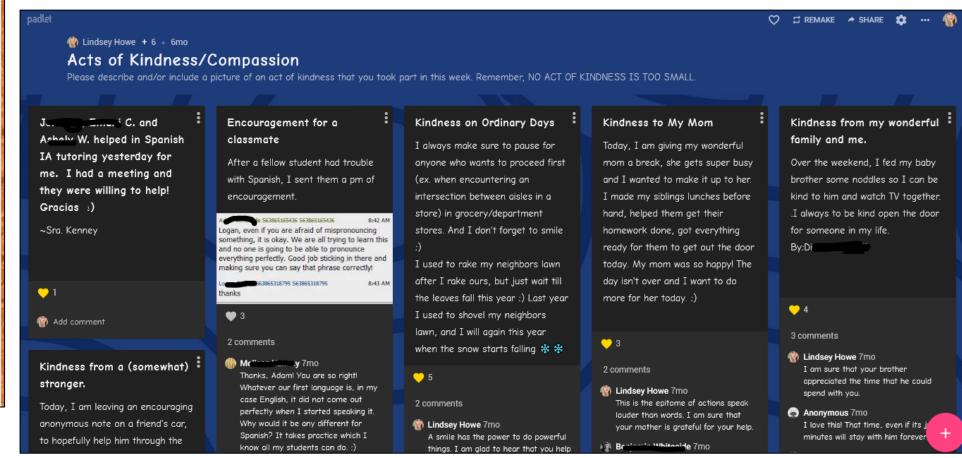
2 comments

I like that you mentioned that Industrial Revolution, I also agree that the is a HUGE cause in the climate change and the industry, cars, etc only grew from that. Nice work!

-Chelsea

Nicole Kantz 1 yr Good work

Good work on these arguments.
Were you able to find further back chart for your past temperatures.
That might make that argument more convincing.



# Let's try it! 4.2 Feedback from Peers

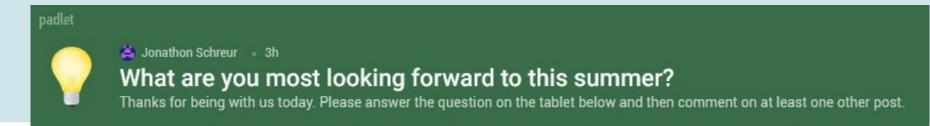
#### **Directions:**

- 1. Click on the padlet link in the chat box.
- 2. Create your own post answering the question.



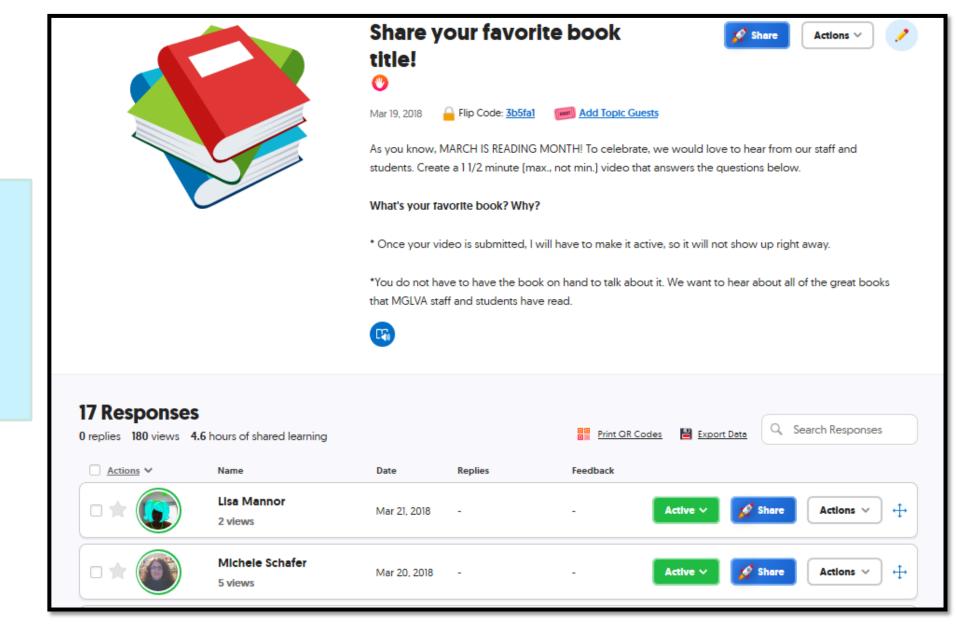
- 3. Comment on at least one other post.
- 4. After you finish, feel free to read through the other responses on the padlet.

#### Question:





Flipgrid is a way for students/staff to answer a question/prompt using video.



#### Virtual is my CHOICE because...

Mar 3, 2019

#### PROMPT

On March 19th, virtual educators are going to come together at the state capitol to meet with lawmakers. We will be your voice that day. We will advocate for your choice and the need to support and vote FOR virtual education. We understand this choice is not for everyone, but we also know that it should be a CHOICE. Help us by using your voice to tell us (and our poilcy makers) why virtual education was (and still is) your CHOICE.

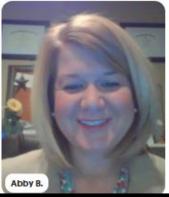
Tip: Consider why students deserve the right to CHOOSE virtual.



#### 24 Responses 0 Replies 809 views 11.4h of shared learning

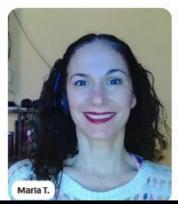




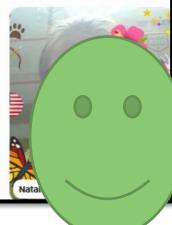












Add a response.

## Flipgrid Example

### **Global Climate Change**











Aug 31, 2018





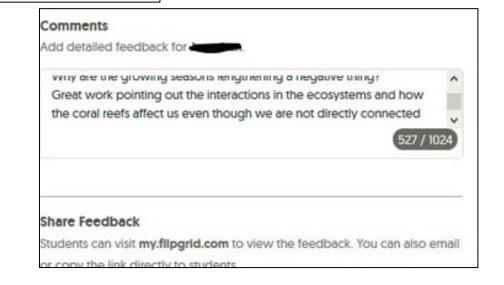
**Add Topic Guests** 

Welcome to our Global Climate change debate grid. Please use this time to video your stance on Global Climate change. You Must support it with 2 pieces of evidence. You have 5 minutes, so plan accordingly.

After you have posted be sure to check out others posts and respond with comments or another video.

TIp: Share your stance, support with 2 pieces of evidence

- During this activity, students created videos regarding climate change in an environmental science class.
- After creating their own videos, students provided feedback to peers.



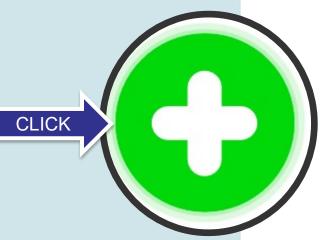
# Let's try it! 4.2 Feedback from Peers

#### **Directions:**

- 1. Click on the Flipgrid link in the chat box.
- 2. Enter the password. FAME2020
- 3. Create your own video answering the question below:

What has been one positive aspect of quarantine?





- 4. Comment on at least one other video.
- 5. After you finish, feel free to watch the other videos that were created.

## Guiding principles

#### Plan

- Know your purpose
- Learning targets and success criteria based on standards
- Collect Evidence
  - Choose a couple of tools to collect evidence
- Provide feedback
  - Related to learning targets, descriptive, actionable, timely
- Allow grace for yourself and your students in this unprecedented time.

## Questions and answers

What questions might you have for our presenters?

- Write them in the chat box and we will pick a few to discuss.
- Questions not answered during this time, will be responded to and replies will be emailed to participants.

## Exit ticket

Respond in the chat box to the following question:

What new idea related to formative feedback are you looking forward to integrating into your online teaching?



## Webinar location

- Once the webinar is finished and rendered, it will be uploaded to the event page on the MAC website for viewing; the link and information on upcoming events will be communicated to each participant, via email.
- Don't forget to check out the other valuable resources on the MAC website:
  - https://www.michiganassessmentconsortium.org
- and the FAME website:
  - https://famemichigan.org

## Interested in becoming a FAME Coach?

- More information on the FAME project is available online:
  - MDE Formative Assessment Process page www.michigan.gov/formativeassessment
  - FAME public webpage https:// famemichigan.org
- 2020-21 New FAME Coach application:
  - https://www.surveymonkey.com/r/NewCoachApp
  - Application deadline: Friday, May 15, 2020.
  - Questions: contact Kimberly Young, MDE/OEAA, at youngk1@michigan.gov or 517-241-7061.

## Join us for our next webinar!

#### Creating and Implementing Online Learning Lessons with Student Engagement in Mind

- Teachers are now faced with planning and delivering instruction in an online environment, and doing so in a manner that engages students. Some teachers who are now teaching virtually may be struggling to do this well.
- The MAC, with the assistance of Michigan Great Lakes Virtual Academy instructors, has planned several activities to show how this can be done; you might find this helpful, now and into the next school year.
- Video recordings of online instruction in an elementary and a secondary online class will be posted, and then there will be a "coffee hour" opportunity for teachers to interact with the instructors in order to answer your questions about teaching virtually. Recordings will be posted in early June.
- Virtual Office Hour A live "office hour" session to answer your questions will be held Tuesday, June 16,
   1-2 pm EDT.
- Because you registered for today's webinar, an invitation to register will be emailed to you and an event page will be available with more information soon at www.MichiganAssessmentConsortium.org/events.



## Thank you for joining us!

- A special thank you to all of you for joining us this afternoon; we appreciate your involvement. Remember we will have additional opportunities to delve deeper into this topic in the coming weeks.
- Thanks to Wayne RESA and Michigan Great Lakes Virtual Academy.