Engaging Students with Pear Deck - Breakout Presentation

by Kris Armijo
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This breakout session was presented interactively via Pear Deck. The session may still be open in student-paced mode for you to explore. If you have a Google account, please sign into the session at www.peardeck.com/join with the Session Code:

cdwbq

(Confused Drums Wish Broke Quizzes)

Slide 1 - Sign In to the Session	Presenter Notes
Please Sign-In to the Session	• Sign-In to session via Google Form

Slide 2 - Welcome to the Session	Presenter Notes
Student Engagement & The Pear	- Welcome - Purpose: Student engagement with interactive inquiry - Explore Pear Deck - turn presentations into interactive learning activities and collect formative data as you go

Slide 3 - About Me	Presenter Notes
	- Presenter - Kris Armijo - MESD K-12 Ed Tech Specialist - Google for Education Certified Trainer - Pear Deck Certified Coach - Contact Info

Slide 4 - What's Your Experience?	Presenter Notes

What's your experience with Pear Deck?	Multiple Choice Question:
	
	    A. I'm already using it.
	
	    B. I've seen Pear Deck being used.
	
	    C. I've never seen it but I'm eager to learn how I can use it to support student engagement.
	
	    D. What's Pear Deck, and why am I here?
	
	● Pear Deck is a platform that lets you make any presentation interactive so you can get 100% student engagement - this question was an example of how easy it was for everyone to give their response to a question.
	
	● Pear Deck is a Google Drive app so it integrates with your other Google Tools - for example, each Pear Deck file is a Drive file, so you can organize it and collaborate on it in real time just like a Google Doc.

Slide 5 - Old School Lectures Are Passive	Presenter Notes
Old School Lectures Are Passive 	● Traditionally, there was only one screen in the room, but now, there are typically many screens in the room, probably including one in every pocket! ● Many of our classrooms still look like this. So how can we put those screens to use in more fully engaging our students?

Slide 6 - What We Know	Presenter Notes
What We Know 1. Students are 1.5 times more likely to fail a lecture based class than a class with active engagement. 2. Feeling heard changes student behavior and classroom climate. 3. Active Learning makes a huge difference in the learning outcomes of flipped, blended, and traditional classrooms.	● We know that passively listening to a lecture is not the best way to learn. We know that students in lecture courses more likely to fail than those in classes where Active Learning strategies are used. ● We know that when students truly feel that their voices are heard and included, it makes a more positive classroom environment. ● And we know that whether you flip the classroom with technology or not, active student engagement makes a huge difference in what students learn. ● OH! And, it turns out that Active Learning can level the playing field between a brand new teacher and a seasoned lecturer. Even a brand new teacher will see similar student achievement to a seasoned lecturer

	when Active Learning techniques are used.

Slide 7 - Agree or Disagree	Presenter Notes
It's important to get all students actively engaged in the classroom.	Drag the blue star icon on your screen to indicate whether you agree or disagree with the following statement: "It's important to get all students actively engaged in the classroom."

Slide 8 - Barriers to Student Engagement	Presenter Notes
What do you think is the biggest barrier to engagement in your classroom?	Please select the option that you think is the biggest barrier to engagement in your classroom: - Fear of being wrong in front of peers - Shyness - Language - Different Processing - Home stress is distracting - Other

Slide 9 - What Pear Deck Is Good At	Presenter Notes
What Pear Deck is Good At • Blending instruction and assessment • Helping teachers adapt the lesson on the fly • Letting each student process on their own • Making participation safe and all-inclusive • Driving a lesson with inquiry • Developing 21st Century Skills	Here are the things Pear Deck is good at addressing and what you should use Pear Deck for: ● Pear Deck is good at seamlessly moving back and forth between assessment and instruction. You can introduce a concept, get an idea of what students already know, discuss it, check-in, introduce some more. ● Because you can easily check-in with and assess students and see their answers in real time, you can quickly see if students are totally lost and adapt course to fit their needs. ● Each student can answer on their own screen before getting distracted by those eager students who would normally raise their hands right away. That means each student can have their own time to process the question. ● After everyone has had time to think, Pear Deck is also good at making the learning visible and social. When you share the anonymous answers up on the screen, students get a chance to see what their peers think. They see that not everyone thinks alike and maybe there is an idea that hadn't occurred to them before. You can ask them to make arguments for answers other than their own, or ask clarifying questions. Shy students might see that their answers are being discussed and that their ideas have worth. They are being included in a way that's comfortable to them. ● Pear Deck is good at letting you ask big, open-ended questions to get the class thinking about the issue and

seeking answers to their own
questions to dive deeper.

- Pear Deck helps students develop 21st
century skills like critical thinking,
creative thinking, communication,
metacognition.

Slide 10 - Let's See Some Examples	Presenter Notes
Let's See Some Examples	Pear Deck features several kinds of unique slide and question types. ● Many of these features are standard and available on the free plan ● Some are premium features included in the educator or school plans. ● I will point these out as we go through some examples.

Slide 11 - Embedded Video: Intro to Pear Deck	Presenter Notes
Embed YouTube Videos	● Standard feature of Pear Deck is the ability to embed YouTube Videos. ● In the student view, the video is ghosted out with instructions to direct student attention to the projected display. ● This short video is a great introduction to Pear Deck: https://www.youtube.com/watch?v=evoJy4WcReM

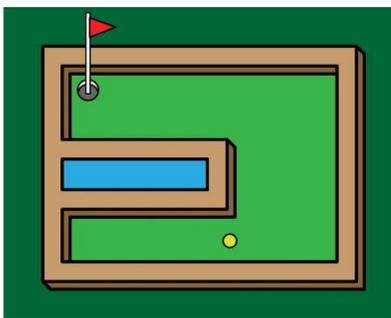| Slide 12 - Pear Deck Video Reflection	Presenter Notes
As you watched the video, what captured your attention about Pear Deck?	Free text response: ● What were some things that captured your attention as you watched the video about Pear Deck?

Slide 13 - Draggable Example	Presenter Notes
Where would you bank the ball? Bank as many times as you like.	● A "Draggable" question is a premium feature available on educator and school plans. This allows students to drag icons around the canvas, which in this case, is part miniature golf course. ● Let's say I was starting a lesson about measuring and calculating angles. Instead of starting with a formula or explanation, I can start with this question about how you might try to get that golf ball to bank in various places to achieve a hole-in-one. Every single student can easily drag their pins and take some good guesses regardless of whether they think they are a "math" person. ● So, you have three icons, numbered 1 through 3, that you can use to indicate the sequence of where you would try

to get that ball to bank. You don't have to use all three of them, but drag the ones you need to show where the ball would bank first, and so forth.

- Now when I show the answers, we can look at just the number 1 dots and discuss the differences in where people would bank first. Maybe some people think they only need to bank once and others clearly think it will take several banks. Now we can talk about what other information they think they need to figure this out.

Slide 14 - Drawing Example	Presenter Notes
Circle three things that indicate who the aggressor is in the engraving. 	- This is an example of a drawing question which is another premium feature. You have various drawing tools at the bottom of your screen for free-hand drawing, straight lines, an eraser, and a text tool. You can even select different colored pens as well. - Without knowing anything about the Boston Massacre, every student can think about and make some good guesses about this prompt. - Now when I show the answers, I can either scroll through each person's drawing or overlay them, which can be a quick way to see hot spots.

Slide 15 - Collaborative Drawing Example	Presenter Notes
Collaborate with the group to draw an American Flag together. 	This is an example of a fun activity that gets students working together and communicating. If I display responses immediately this time in overlay mode, you will be able to see everyone working toward this common goal together in real time. It's one way that students can collaborate with their responses and something like this could be used in many different ways. Now you can take a moment to work together to make the flag.

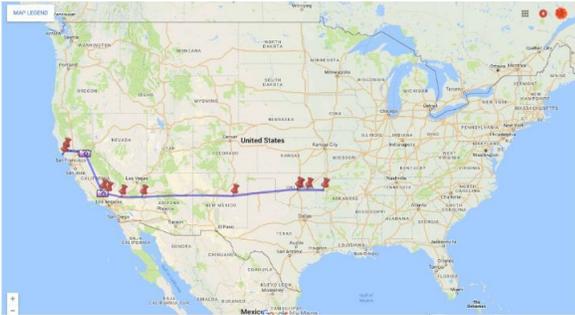| Slide 16 - Drawing in Math	Presenter Notes
Graph $y = \frac{1}{2}x$	- Here's another example of a Drawing slide in the content area of Math. You can use drawings to graph equations. You might want to use the straight line tool to do this one. - I want to point out that the question is written and formatted as an equation. Pear Deck uses very intuitive AsciiMath syntax to let you easily use equations in your questions and students can also use equations in their free text answers.

Slide 17 - Number	Presenter Notes
How many miles do you think the Joads traveled from Oklahoma to California?	- This slide is a standard question type called number response. On your screen, it looks similar to a text response, but you will see the difference when I display the responses in a moment. - This question refers to the Joad family's journey in John Steinbeck's novel, *The Grapes of Wrath*. Even if you are not familiar with the novel or if you are just a terrible judge of distance, number slides are a great way to do estimation questions. - When you show the answers, they display as a box and whiskers plot so you can see the median guess quickly. The grey box indicates that 50% of the answers are in that zone. Now you can talk about it - "how come no one guessed 8 million? How come no one guessed 3 miles?" This will help build their number sense and learn intuition around it. - You could also use this question in an English class to lead off a discussion about the hardships they must have endured.

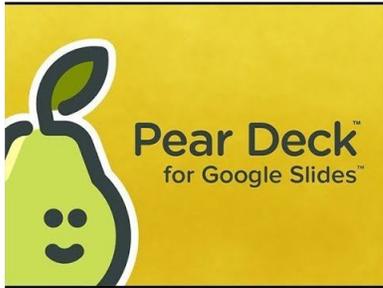| Slide 18 - Embed a Website	Presenter Notes
Because someone will want to know the answer to the last question…	- Of course someone in the room will not be satisfied that I have not answered the question about the distance! So, by embedding a web site into the deck as I have done here with a Google Map someone has created to document the Joad's journey, I can let students dive into that inquiry a little deeper. The answer is still not here, by the way, but isn't this a great way to send students off on their own quest to discover the answer for themselves?! - As a standard feature, Pear Deck will let you embed websites directly into slides within the deck. When you get to a website slide, students can interact with that website as normal but the difference is they've never left the Pear Deck presentation. That means that when you are ready to move on to the next activity, you just go to the next slide and their screens are synced up. You don't have to worry about getting students back to the right tab or window. Let's look at another example of embedding a website.

Slide 19 - Phet Simulations & Timer	Presenter Notes
Try the Balancing Lab • Try to balance different objects • Be ready to discuss what you notice	● Here's an example of a PHET simulation. Students can try the balancing lab on their own and at different levels of difficulty. So, I will give you a moment to play with this one, but this time I am going to set a timer that will count down the time you have left on this slide. ● This timer is available for any slide type so it is a great way to set limits if needed and keep things moving. It gives students a great visual to track how much time is left to respond to a question or play a game, as in this case.

Slide 20 - Advanced Tools & Features	Your Response
Other Advanced Tools & Features ■ Highlight Answers to Display ■ Use Projector & Dashboard Simultaneously ■ Timer and Screen Lock ■ Questions on the Fly! ■ Google Classroom Integration ■ Student Takeaways (in Google Docs) ■ Student-Paced Mode	● So, we've reviewed the different slide and question types briefly and seen just a few examples of how they could be used innovatively across content areas, but there are several more tools and features I'd love to share with you. ● Please look at this list and circle the feature that you'd most like to learn more about. ● (Give brief explanation and demo of each item as time allows.)

Slide 21 - Google Slides Add-On	Your Response
New Google Slides Add-On: A #PerfectPear Pear Deck for Google Slides	● I would also like to share something very exciting that was just very recently released. Those of you who are familiar with Google Apps are probably also familiar with the third-party add-ons that have been available for Docs, Sheets, and Forms for quite some time now. Until a few weeks ago, Google Slides did not offer add-ons. That all changed on September 27th. G Suite released add-ons for Google Slides and Pear Deck was among the first! In fact, Pear Deck currently holds the number one spot for the most downloaded add-on and it's not hard to see why! ● Since Pear Deck has always been fully-integrated for G Suite, it only makes sense that we should be able to use it to make our Google Slide decks interactive without ever leaving slides! This is truly a game changer and I want to share this quick video that previews how it works!

Slide 22 - Pear Deck Resources	Presenter Notes
Some Important Pear Deck Resources ▪ Pear Deck Website - https://peardeck.com/ ▪ Pear Deck Support & Resources - https://www.peardeck.com/resources/ ▪ Pear Deck Orchard [Example Decks] - https://www.peardeck.com/orchard/ ▪ Pear Deck Blog - https://medium.com/pear-deck ▪ Follow Pear Deck on Twitter - https://twitter.com/PearDeck	Resources: ● Pear Deck Website - https://peardeck.com/ ● Pear Deck Support & Resources - https://www.peardeck.com/resources/ ● Pear Deck Orchard [Example Decks] - https://www.peardeck.com/orchard/ ● Pear Deck Blog - https://medium.com/pear-deck ● Follow Pear Deck on Twitter - https://twitter.com/PearDeck

Slide 23 - Website	URL
Are you an "exPEARt"?	(If time allows -embedded, self-scoring formative "quiz" via Google Forms