Hands-on workshop   "Inviting + Engaging = Empowering"

90 minutes

Deep Play Professional Development	
Create an agenda that provides an overview:	- Intro (using a video): [10 min] - Introduce presenters - Objective of session: Create an inviting, engaging, student centered classroom that empowers student learners - Teach like a Pirate: P..I..R..A..T..E (explain acronym) - Flipped classroom - Frees time in class for student problem solving - Students watch video for lecture/notes at home - Differentiation (student access to videos anytime) - Relate video to flipped classroom (students come prepared to do problem solving in class); preview upcoming activity as using a "hook" to engage students. - Demonstrate Hook: 3 Acts (Stacking Cups) [30 min] - Video clip: http://www.101qs.com/1897-stacking-cups--act-1 - Ask questions about needed info - Get info (dimensions) - Solve problem (linear) - Watch video to see answer & discuss - What comes next in class? Where's the "math" in this? [10 min] - Students watch video for HW about linear equations - Demonstrate how to create this in 5 min or less on edPuzzle (all free!) - Login: teacher account - Search & upload video from Khan academy - Add a question - Share with a class - See results from class progress on a previous video - How did we create an inviting and engaging environment that empowers student learning? [5 min] - Discuss in groups, share out. - Reflection on your teaching: Do you feel empowered to change your own practices? How? (What is realistic for this year? Next year?) [5 min] - Work time! Create a hook or instructional video to use in one of your upcoming lessons. [30 min]

	• Tips/Additional Resources [ppt slide] [5 min]
	  ○ Know your limitations
	  ○ Be flexible
	  ○ Creating videos using ppt, screencast-o-matic is free but time consuming
	  ○ Books (Pirate, Flip Classroom)

Identify learning outcomes:	Improve teaching practices to be more effective in reaching our students and helping them learn, through: --hooks (increase student engagement) --flipped classroom (increase student involvement/ productivity in class)
Establish the enduring value of your topic (provide grounding research):	-Connections; with students, students with each other, with colleagues -Student ownership → learning -Data about success rates

Create the resources needed to deliver the professional development:	• Participants need to bring:
	  ○ a unit plan
	  ○ computer with recording capability
	• Presenters need:
	  ○ projector
	  ○ computer

Site all of your sources used (images, videos, articles, etc.):	Burgess, D. *Teach like a pirate.* Bergmann, Jon & Sams, Aaron. *Flip Your Classroom.*

Newsletter	
Your Deep Play topic:	● Blended Learning with a focus on increased student engagement
A description of what the core ideas/concepts of your Deep Play topic are (how would you describe your topic in your own words?):	● Flipping the classroom with engaging lessons that allow students a different access point to the material. This frees us to coach during class instead of lecture ● Employing hooks to engage our students with real world, interesting connections that also connect to their world.
5 fast facts about your topic (what are 5 things everyone should know about your topic?):	● To increase creativity in the classroom, make sure you are asking yourself the right questions. ● Hooks can build student interest and engagement and lead to increased student ownership in a learning target ● Blended learning can create more student-student interaction (collaborative work time) and more teacher-student interaction ● Blended learning can involve informal videos with conversations about your topic, lectures you pre-record, or videos made by someone else about your learning target ● Blended learning is a tool that helps with differentiation: students have access to videos anytime, anywhere and can rewatch as needed
5 people/organizations to follow on Twitter:	● Dave Burgess ● Dan Meyer ● Desmos ● Corey Papastathis @TechCoachScribe ● Robert Kaplinsky: www.robertkaplinsky.com @robertkaplinsky ● Erica Snyder @snyder_erica ● Hashtags: #blendedlearning #flippedlearning #flippedclassroom #problembasedlearning #flippedPBL #PBL #PrBL #PBLchat #tlap
5 of your favorite resources on your Deep Play topic:	● 3 Act Math ● La Cucina Matematica

	[EDpuzzle](#) [Mathalicious](#) [Emergent Math](#) [Blended Learning Blog](#) [Problem Based Lesson Search Engine](#): [Missy Cosby](#) [Ideas for BL in HS math](#) [Dennis Wildfogel's How big is infinity?](#) [Jeff Dekofsky's The Infinite Hotel Paradox](#) [A Number Story](#)
2 article recommendations:	[Blended Learning is about more than Technology](#) by [The Flip: An End of a Love Affair](#) by Shelley Wright [Life Equations](#) by Liana Heitin
2 book recommendations (i.e., your Book Hangout books):	- Teach Like a Pirate by Dave Burgess - Flip Your Classroom by Jonathan Bergmann and Aaron Sams
Anything else that you think would help someone understand or become interested in your topic!	