

Creating Online Environments To Promote Motivation and Learning: Perspectives From Students

SRI Education

Community College Research Center

Tulsa Community College





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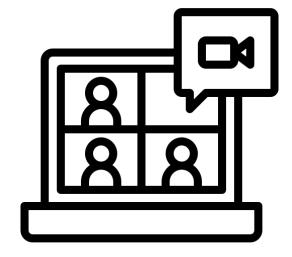


For today's presentation we will...





Share a brief overview about the SDL & the Collaborative



Share an instructional example of an online classroom teaching practice



Elevate the student voice and their experiences



Discuss takeaways and supports for instructors

What is the Collaborative?

A research and capacity-building center that aims to study and improve how faculty **teach** and use **technology** to help students apply and strengthen **self-directed learning skills** to increase their success in online courses.



Postsec Collab: Who we are





A DIVISION OF SRI INTERNATIONAL









Self-Directed
Learning (SDL)
skills are
mutually
reinforcing

Experience positive results from effort

Motivational Processes

- Belong
- Believe
- Grow
- Value

Translate beliefs and emotions into a plan

Applied Learning Processes

- Follow through
- · Identify new resources
- · Obtain help
- Apply learning strategies

Metacognitive Processes

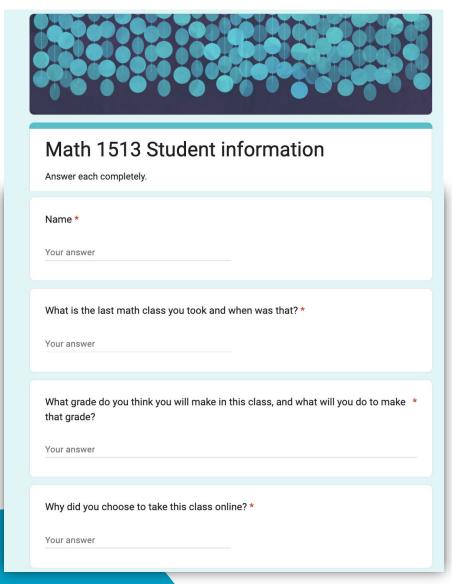
- Plan
- Set goals
- · Identify needs
- · Select strategies
- Monitor
- Reflect



Put the plan into action



Introduction Survey: Google Form



Setting Expectations: Interaction

Build a sense of belonging

- Survey: <u>Student Information</u> (using Google Forms) share commonalities
- Sample Questions:
 - Why did you choose online?
 - What is the last math class you took and when was that?
 - What grade do you think you will make in this class, and what will you do to make that grade?

Setting Expectations: Interaction

Build a sense of belonging (cont.)

- Introduction Slide Show: <u>link</u> (using Google Slides)
- Introduction video

Introductions

Walton APSI June 26-29, 2023

Choose a slide, then add your info and a picture.



Jill Taylor

State where you teach: Oklahoma

School: Broken Arrow High School

Years teaching: 22

Something interesting about yourself:

I'm a big sports fan. My favorite sport to watch is baseball. Go Astros!



Challenges



- What factors contribute to challenges for students in STEM courses, especially online?
 - Feeling alone, overwhelmed, lack of interaction



- Students seeking help
 - Invite students to campus: group study, tutoring center, one-on-one
 - Set up study groups for those who are interested
- Defining the Struggle: Challenges of group activities in Online Courses
 - Better breakout rooms
 - § Leader, Activity, Choice, Share Screen, Direction/Goal

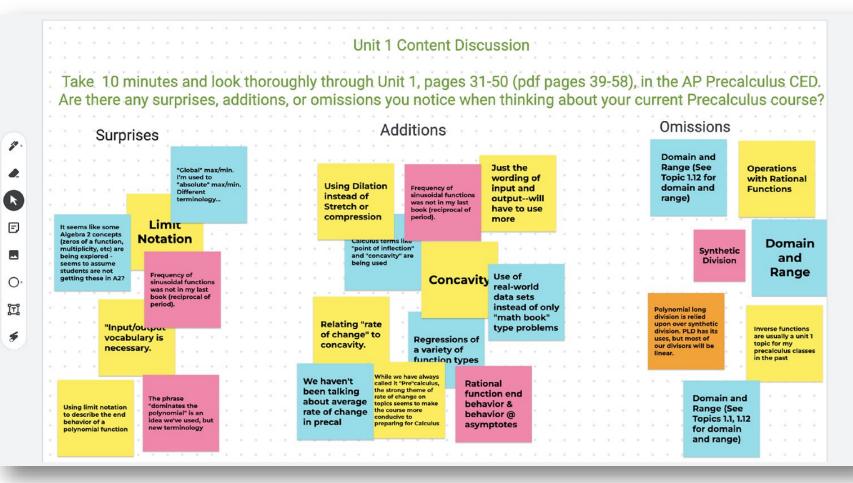


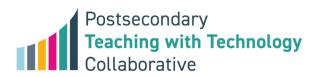
Engaging Students: Examples of Group Activities



Unit Content Discussion

- On Jamboard, students collaborate in groups to...
 - Unit Overview
 - Pre-made activity
 - Ask questions
 - Brainstorm





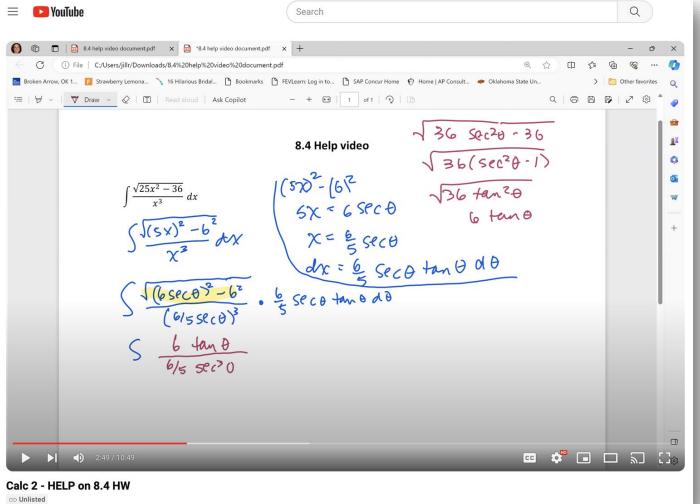
Engaging Students: Examples of Group Activities (Cont.)



Instructor Made Videos:

- Record videos of
 - Notes for each section
 - Help videos for homework
- Students can access these videos through the LMS
- Provided for asynchronous and synchronous classes

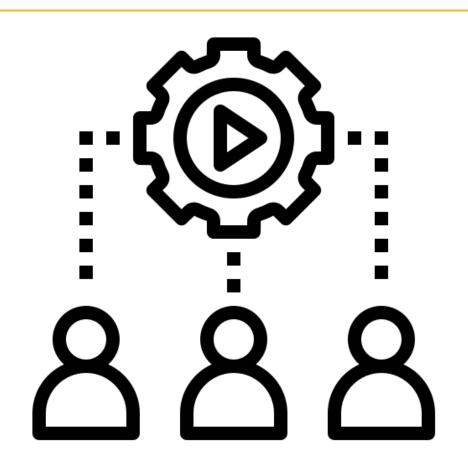






Student perspectives on group activities



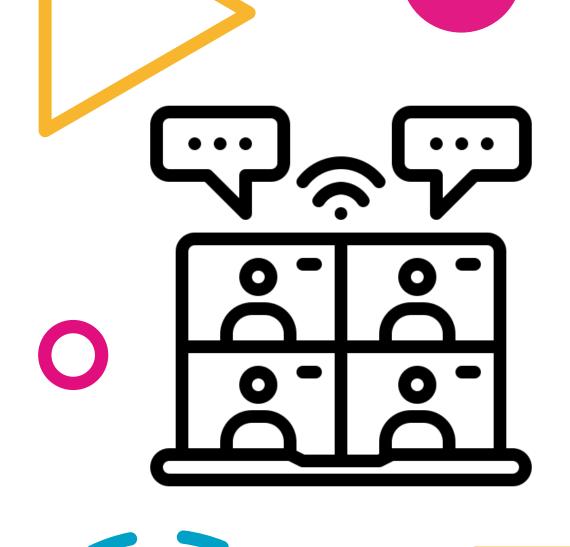


- Students shared their varying experiences with group assignments.
 - -"...When it comes to groups, I don't like doing groups. I'd rather just do everything by myself."
- Working with other students can make it harder for students who like to learn independently.
 - -"...[I like going at] my own pace. That's why we're doing online [...] I don't have to worry about getting behind..."



Student experiences in online courses

- Opportunities for peer interaction can increase motivation and connectedness.
 - "...The breakout rooms only [...last], about 15 minutes and [then]...it goes back to the original class [...] so, you're not talking too long...You don't get [enough time] to **chit chat**..."

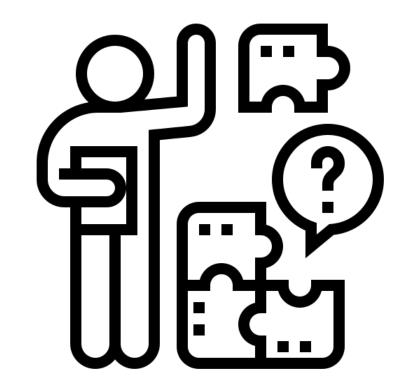


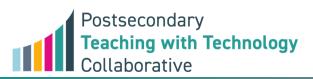


Student perspectives on Motivational Processes



- Students reported increased motivation and a sense of belonging when they knew other students were <u>struggling</u> in the course.
 - "[Knowing that] you're all on the same page,[...] it's nice to have that."
- Students appreciate structure and roles with group work:
 - "... I do like group work, but it depends on the group. [...] If you get people that just like, drag their feet, you know, it's probably one of the most frustrating things in school."





Student perspectives on Applied Learning Processes



- Collaborating with peers increased confidence in seeking help from instructor:
 - "... [It] was helpful to be able to talk to other students and [...] teach each other the material. [When we realized] we didn't know something...we would ask the professor at the next meeting."





Supporting Instructors with Strategies for Student SDL Skill Development



Institutional Supports

- Access to equipment and resources
 - Computer labs
 - Accessible testing sites
- Professional development to support specific training
 - Include student perspective via panels

Equity Considerations

- Affinity-based efforts to promote help-seeking
- Varied options to promote sense of belonging and community
- Student choice about taking online courses

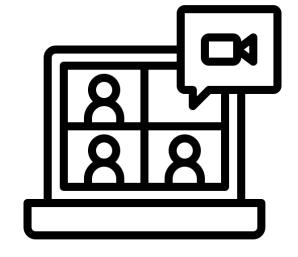


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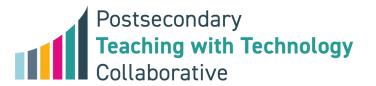
Elevated the student voice and experience



Discussed takeaways and supports for instructors

Questions?







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Google Drive (Resources from presentation)









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