## Online Discussions Can Achieve Multiple Learning Objectives and Maintain High Student Engagement

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#### Video discussion time is under-utilized

- Discussions degenerate to casual chat; help build empathy but lack the opportunity to think deeply
- Students moderate discussions on their own; move away from course material

#### Discussion software maintains focus towards course material

- Organizes and moderates discussions
- Provides consistent experience at scale
- Provides cues to students at different points in discussion

#### Peer learning has multiple learning objectives

- Transfer of concepts to later problems
- Creating divergent thinking
- Building empathy
- Better collaboration skills

# Active learning assists with

Works well with:

- Collaborative goal
- Individual responsibility

### 1. Think: Students form their ideas alone

ou want to discuss organizational learning or organizational

f organizational culture: Take 1-2 minute turns describing how

fter everyone takes a turn, reflect on what you saw. What did

2. Pair : Students discuss ideas with a peer and invite feedback

Talkabout uses agenda for students

to discuss course material

3. Share: Students discuss ideas with all discussants!



- Feedback to improve self-esteem



Student motivations "I am attending this discussion to get feedback on my idea. I cannot spend time on this challenge exercise." vary!

Student performance: Course grades Metrics

Exchange of ideas: Diversity in students' submissions

Enjoyability: Continued use of new format

Balance students' personal goals with the group's learning **Future work** 

objectives.



