

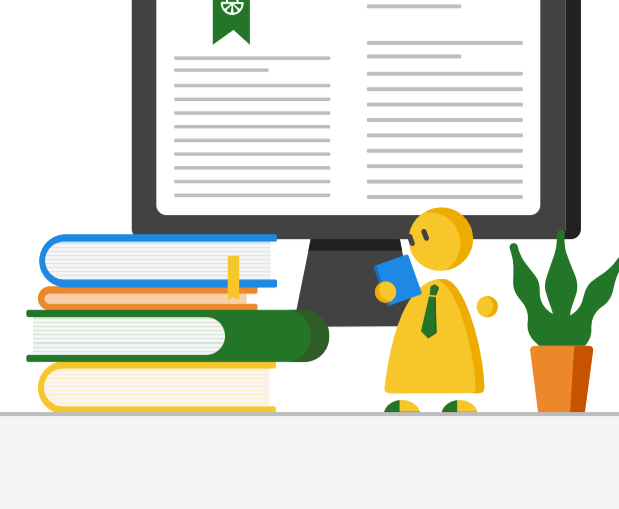


Team-Based Learning

Learning journey

A 9-step learning journey to optimize the TBL process

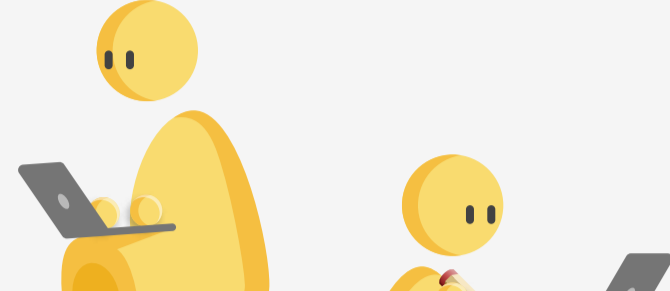
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Start

Pre-class preparation

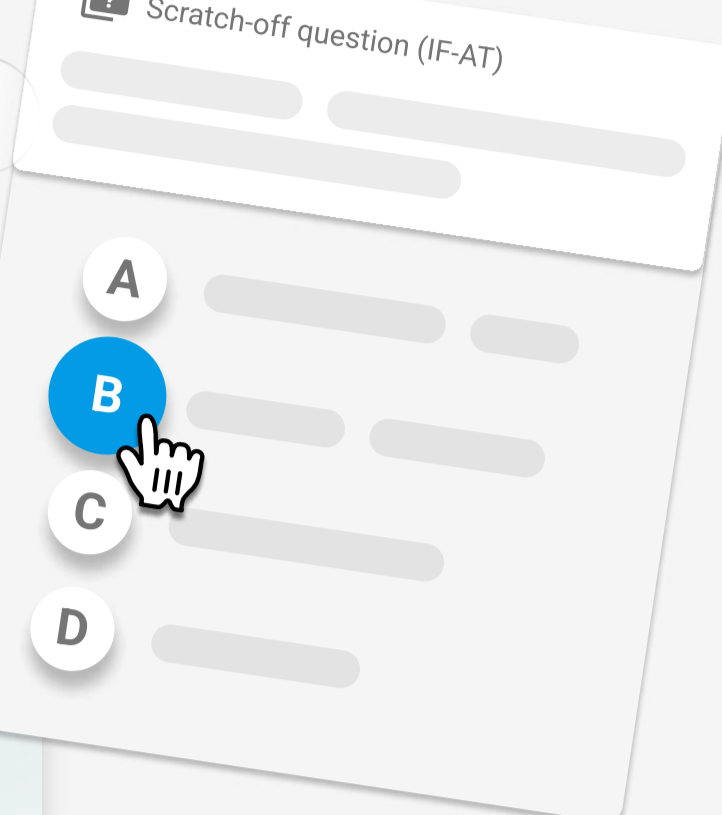
To prepare for class, students study multimedia materials you upload. Enrich parts of the material with questions to encourage self-testing and knowledge absorption, or inline discussions that promote collaborative learning and improved understanding.



• Synchronous • Individual

Individual Readiness Assurance Test (iRAT)

Students individually complete a quiz based on the pre-class materials based you assigned previously. They will not see the correct answers yet.



Team Readiness Assurance Test (tRAT)

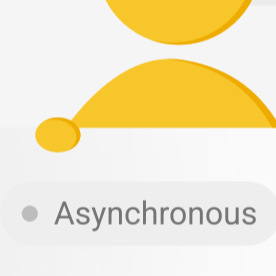
Students retake the previous test in teams. Collaboratively they discuss their answers to reach a consensus on the correct responses. This promotes critical thinking, solidifies understanding, and addresses misconceptions. It also fosters accountability for the preparation and builds a sense of community in the learning process.



• Synchronous • Class

Clarification session

The phase offers gives students the opportunity to obtain clarity and deepen their understanding. It includes a space where students can seek additional explanations on troublesome questions and engage in discussions with the instructor to bridge knowledge gaps.



All teams are presented with the same scenario/problem, which is similar to what they'll encounter in their careers. They are challenged to make interpretations, calculations, predictions, analyses, synthesis and then choose one option from a small set of solutions. At the deadline teams post their choice at the same time.

Application problem

Application solutions discussion

Instructors facilitate in-class discussion surrounding solutions posted by the groups. The teacher facilitates the teams to challenge and discuss choices. This provides immediate feedback to the teams to improve critical thinking, and practices the communication skills like explaining and giving constructive feedback.



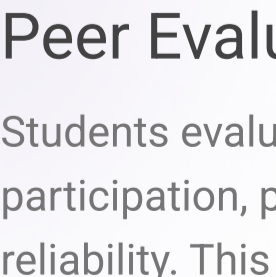
Solutions gallery walk

Optionally, all teams submit their solution to the application problem with justifications and background reasoning. This can be done within the [Discussion on Work tool](#) as a document, visual representation, or video. Teams browse and comment on the solutions up for public display.

• Asynchronous • Group

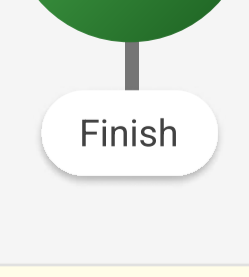
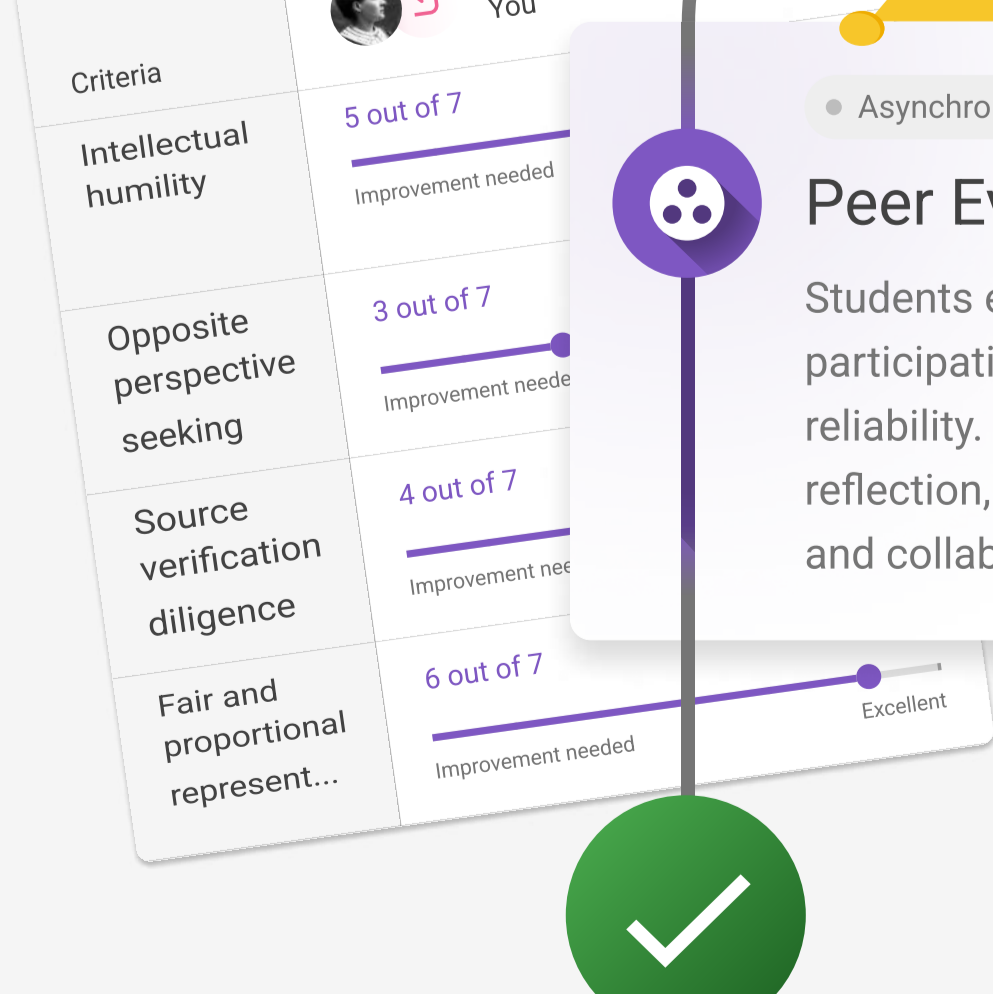
Appeals phase

Teams can appeal to wrong answers in this phase. If a team feels a question was misleading and they rewrite a clearer one, or if they can convince that their answer is best with argumentation and sources, you can grant extra credit if they re-write a clearer one.



Peer Evaluation

Students evaluate peers' performance based on criteria like participation, preparedness, collaboration, contribution, and reliability. This feedback encourages accountability and self-reflection, promoting continuous improvement in teamwork and collaboration throughout the course.



Finish

Key values

- ✓ Move beyond memorization of facts
- ✓ Train collaboration skills
- ✓ Practice problem-solving as a group
- ✓ Exceptionally suitable for large classes

