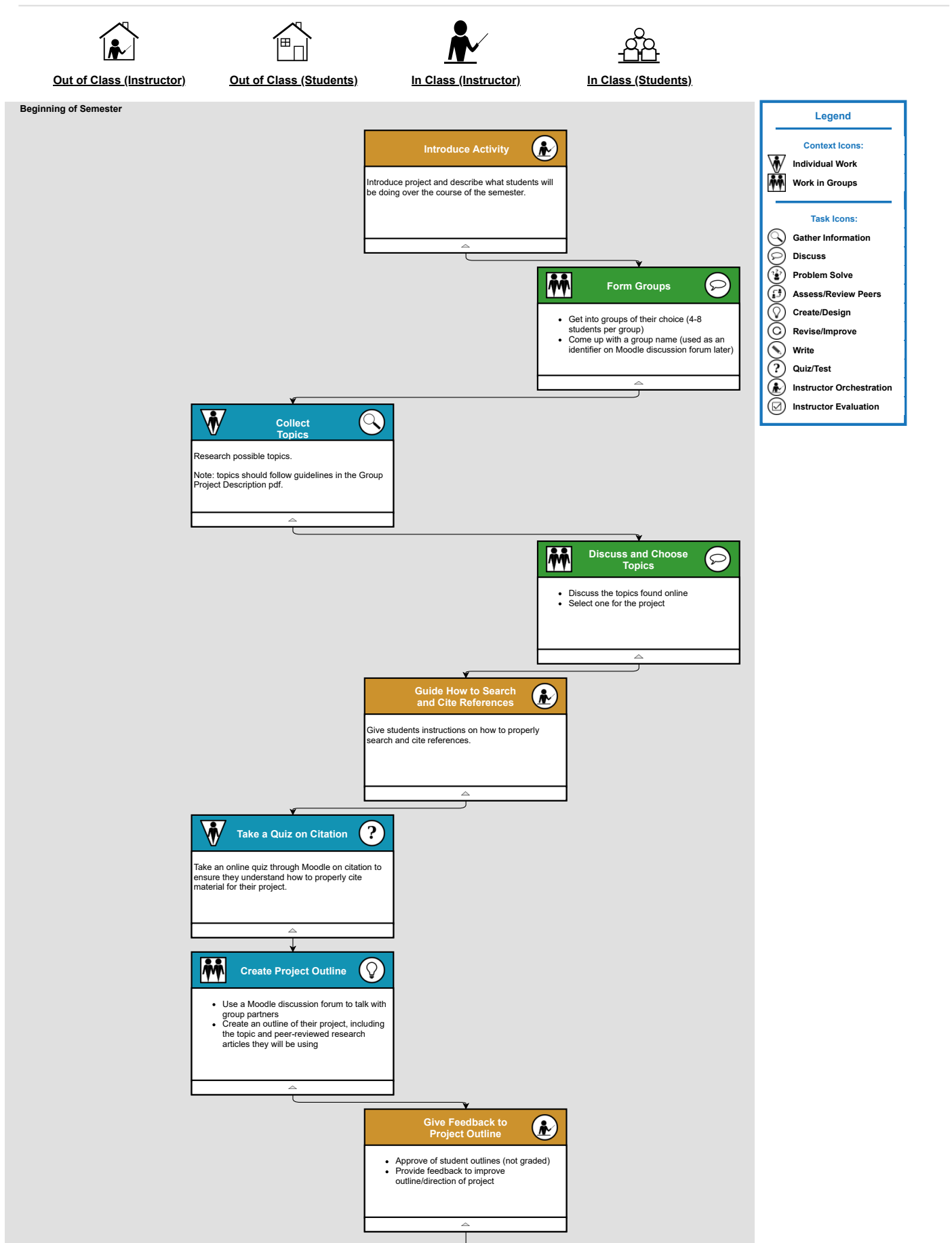


Does X Associate with Y?

By Madoka Gray-Mitsumune

Description:

In this semester-long activity, students research a topic of interest in which they demonstrate how a quantifiable X variable (e.g., calcium) affects a quantifiable Y variable (e.g., hip fracture rates in women) and review their peers' group drafts to improve their critical thinking skills and collaborative skills. See a full description [here](#).



Middle of Semester

Assign Project Tasks & Revise Outline

- Meet to designate project tasks
- Discuss instructor comments on their outlines
- Make changes to outlines

Work on the Project

- Work on their individual contributions to the project
- Use the Moodle discussion forum to work on the project together

Instruct on How to Give Feedback

- Assign groups into supergroups (~6 groups per supergroup). These supergroups separate teams for evaluation (feedback and evaluation)
- Discuss with students how to give constructive criticism in preparation for student peer reviewing on Moodle

Discuss the Project & Write Drafts

- Meet periodically through the semester to discuss the project
- Write project draft 1
- Submit group project draft online

Note: In person discussion helps to maintain student engagement in the project.

Give Peers Feedback on Draft 1

- Read through the drafts of 5 other group projects
- Provide feedback to these 5 groups through a Moodle discussion forum

Give Groups Feedback on Draft 1

Instruct TA to provide feedback to groups on their draft.

Repeat peer/TA review process for draft 2

End of Semester

Finalize Project

- Finalize project based on two rounds of peer and TA feedback
- Upload finalized project to Moodle

Evaluate Peers' Work and Contributions

- Evaluate and grade 5 projects based on criteria outlined in the [Rubric.pdf](#) (Note: each group is evaluated by 30-35 students)
- Evaluate the contribution of own group members

Evaluate Students' Contributions

With TA, evaluate individual students on their contribution to the group projects following the criteria listed in the Rubric pdf