Collaborative Learning Guide

Collaborative learning gives the responsibility of the learning to the students by using groups and pairs of students to fulfill a task or assignment within the classroom. The Common Core Math Practice Standard 3 calls for students at all grades to listen or read the arguments of others, decide whether they make sense, and ask useful questions to clarify or improve the arguments.

Creating Effective Collaborative Activities

- Is the activity highly structured physically, spatially and temporally?
- Do students know the rationale for the activity?
- What are the teacher’s academic and behavioral expectations of the students?
- How will the learning activity affect motivation?
- Does the activity accommodate various group speeds?
- How long will the activity take?
- Is there an opportunity for students to process how the group functioned and the learning that occurred during the activity?
- Does the structure of the activity give students time to process the new information before they are asked to respond?

Within a Collaborative Group......

- Students are invested in their own learning.
- Learners actively participate.
- Teachers become learners at times, and learners sometimes teach.
- Respect is given to every member.
- The project/question should be of interest and challenging to the students.
- Diversity is celebrated and all contributions are valued.
- Students learn skills for resolving conflicts when they arise.
- Members draw upon their past experience and knowledge.
- Goals are clearly identified and used as a guide.
- Research tools such as internet access are made available.

Size

Smallest group is 2.
Largest recommended group is 6.
Smaller groups will require fewer social skills and will work more quickly.
Larger groups generally generate more ideas, deal better with complex ideas and create fewer group reports for the teacher to process.

Formation

Heterogeneous grouping with regards to academic achievement, task orientation, ability and learning style can be used depending on the subject matter or collaboration technique used. If the project is long or detailed then the support of a stronger academic student in each group will help complete the project.

Student self selection is generally not successful, although students can provide input for the teacher to consider.

Random assignment promotes the idea that everyone is expected to work with everyone else at some point. Random is best used if the task is of short duration.

Groups created for longer projects should be structured carefully. Groups that stay together for long periods (4-6 weeks) are more likely to form stronger bonds, develop more complex collaborative skills and can tackle more complex tasks.

Avoid breaking groups up because they are having trouble functioning since the group will feel unsuccessful and transfer that to the next group. They need to persevere.

Duration

Groups created for longer projects should be structured carefully. Groups that stay together for long periods (4-6 weeks) are more likely to form stronger bonds, develop more complex collaborative skills and can tackle more complex tasks.

Groups should stay together long enough to feel successful, but not so that they become counter-productive.

Possible Student Roles Within the Group

Facilitator
- Keeps group on task and verifies that all contribute.

Recorder
- Takes notes on important thoughts expressed in the group.
- Writes final summary.

Reporter
- Shares summary of group with large group. Speaks for the group, not just personal view.

Materials Manager
- Picks up, distributes, collects, turns in, or puts away materials.

Time Keeper
- Keeps track of time and reminds group how much time is left.

Checker
- Checks for accuracy and clarity of thinking during discussions.
- Checks written work and tracks points.

Group Management Tips

Noise
- Develop and practice a “QUIET or Zero-noise” signal.
- Brainstorm what that would be with the students.
- Practice appropriate internal and external voices.

Deadlines and Task Structure
- Give students specific tasks to finish within a predetermined time limit. Use a timer.

Instructions
- Show, don’t tell, instructions (have a group model the steps).
- Have students tell each other the instructions to make sure they understand prior to starting the task.

Questions
- Answer team questions only. Individual questions should be handled within the team. Use the “3 Then Me” technique.

Circulate
- Use proximity. Monitor discussions to check for understanding and to be aware of collaborative skills that may need to be addressed.
### Discussion Guidelines and Skills

#### When speaking, participants strive to.....
- sustain a main idea
- be original with interesting, thought-provoking ideas.
- have quality in their comments.
- include textual references— the more specific the quotation, with reference to page and paragraph numbers, the better.
- make reference to other works.
- maintain the accuracy of their comments.
- question for greater understanding.

#### When listening, participants strive to.....
- listen to other students and not be “checked out”.
- see how the comments fit...follow the flow of the discussion.
- be able to reference previous comments.
- listen for greater understanding.
- wait patiently for the speaker to finish before sharing ideas.

### In a collegial conversation, participants .....
- are consistent in participation.
- show leadership—— students help others to enter the discussion.
- show empathy.
- have the ability to learn and adjust to the dynamics of the class.
- incorporate politeness and respect for all members of the class.
- maintain eye contact and call others by their names.
- show patience with the process. (It takes some time to develop a group dynamic where everyone feels at ease.)
- demonstrate preparedness— books and articles are marked, responses are written, questions are prepared.
- students are willing to state own ideas even if different from those of other students or the teacher.

### Sentence starters for students to facilitate a safe and cooperative classroom or group discussion.

#### Agreement
- “I agree with ____ because__.”
- “I like what _____ said because____.”
- “I agree with_____ because __; then on the other hand____.”

#### Disagreement
- “I disagree with _____ because ______.”
- “I’m not sure I agree with that because____.”
- “I can see that ______; however, I disagree with (or can’t see) ______.”

#### Clarifications
- “Could you please repeat that for me?”
- Paraphrase what you heard and ask, “Could you explain a bit more, please?”
- “I’m not sure I understood you when you said_______. Could you say more about that?”
- “Is there evidence for the position?”
- “How does that support our work/mission at ___?”

#### Confirmation
- “I hear____.”
- “I believe____.”
- “I discovered____.”
- “I learned that____.”

#### Confusion
- “I don’t’ understand____.”
- “I am confused about____.”
- “Can you explain that another way?”
- “I have a question about __________.”

#### Extension
- “I was thinking about what _____ said, and I was wondering what if ______.”
- “This makes me think____.”
- “I want to know more about____.”
- “Now I am wondering____.”
- “Can you tell me more about_________.”

#### Review
- “I want to go back to what_____ said.”
- “I like ______.”
- “I noticed that______.”