



LEARNING EXCHANGE PROTOCOL

ACADEMIC DISCOURSE: BUILD YOUR OWN PROTOCOL

Context:

You are a member of a five-person Equity Centered Network Improvement Community (EC-NIC) at your school. This group includes math teachers and administrators. The focus of your EC-NIC has been on implementing high quality, equity centered academic discourse protocols into math classrooms. The math teachers in the group have used several protocols that were developed by external organizations and, while they are satisfied with some of the protocols they have used, they would like to build their own equity-centered protocols. Further, most of the protocols that the math teachers have used up to this point have focused on academic discourse between the teacher and the students. They would like to build a protocol that emphasizes student to student academic discourse.

Process:

- Move to your EC-NIC.
- Read through math problem and decide on the goal(s) for the academic conversation that you would like your students to have.
- Discuss and decide on a strategy/protocol that will achieve your desired outcome(s).
- Reflect on what makes your protocol *"equity centered?"*
- Write your protocol (step-by-step) so that participants in another group can use it.
- Move to the larger, combined group.

Math Problems:

For Elementary:

A basketball court is 15 feet wide and 20 feet long. Steph Curry puts one cone per square foot to practice his dribbling. Cones are stored in bags of six in the locker room, how many bags does he need to use?

For Middle School:

Two cell phone companies have different plans. One charges \$34 per month plus 50 cents for every GB of data, the other costs \$20 per month and 75 cents for one GB of data. What is the data usage per month at which each plan costs the same?

For High School:

Five students started a school podcast. Each month, two more students join the production team. Write a function that shows the total number of students working on the project. How many people are involved after 4 months? How long will it take for the group to have 17 members?