**Changes made to coding project from Eli and Phyllis**

**Please adhere to the following changes when coding:**  
Disengagement is completely replaced with Passive participation.  
Researcher guidance is now coded Guidance. There is a sub code for researcher discussion, and researcher questioning.  
Informal presentation is now coded as just Presentation. The sub code for formal presentation is now allowed as defined below.  
Engagements with sub coding should contain the primary category and sub code description.  
  
**Reasoning**  
Original:  
Disengagement Any form of listening, waiting, or being lost during discussion. This is not necessarily negative, but indicates a lack of active participation.  
Change:  
Passive participation - This is not necessarily negative, but indicates a lack of active participation, discussion, or other mathematical interactions.  
  
Original:  
Researcher guidance: Students may request this input or not. Any type of visit that includes discussion of work with a researcher. This may include exploratory conversation, inquisitional technique, or discussion of proof or convincingness.  
Change: Code: "Guidance: Subcategory"  
Guidance - categories could exist for teachers, researchers, or even senior students  
Researcher questioning - Covers exploratory questioning, guided learning questions. Also covers convincingness: "Convince me" = "Can you show me a proof?"  
Researcher discussion - Covers class lessons, and providing or reviewing information.  
  
Original:  
Informal presentation - Any type of idea sharing including discussion of new work, answer explanation, or answer repetition.  
Additional:  
Formal presentation - Any form of informal presentation if the ideas are presented to an authority (teacher, researcher, senior student, etc.). Also, ideas that have been formally written, planned, and presented by a group.  
Change: Code "Presentation: subcategory"