

DISCOURSE IN MATHEMATICS

TEACHER TIPS



Educator Discourse

High-Trust Community

- How can students share their methods with the class?
- Would I ask any student to answer that question/do that task or does it require modification?

Critical Reflection

- How would one student explain this concept to another?

Problem-Solving

- Will students understand what the problem is asking?

Analyze, Synthesize, Evaluate

- What patterns do we expect students to recognize?

Anticipate

- What big idea do students need to understand?
- What errors or misconceptions might they make?

Help Make Connections

- What relationships do we want students to see? How do they build on each other?

Student Discourse

High-Trust Community

- Do you agree/disagree? Why?

Critical Reflection

- What strategy did you use?

Problem-Solving

- Have we ever solved a problem like this before?
- What should we do first/next?
- What have you already tried?
- What steps did you take?
- Would making a sketch/diagram/table help?
- Which words are most important in this problem?

Metacognition

- What was the most confusing part of this task?

Analyze, Synthesize, Evaluate

- Is there a way to simplify this work next time?

Make Connections

- What is the relationship between _____ and _____? How do they build on each other?