



Mathematic Teaching Practices: Facilitate Meaningful Discourse

Effective teaching of mathematics facilitates discourse among students to build shared understand of mathematical ideas by analyzing and comparing student approaches to arguments.

Principles to Actions (p.29-41)

<p>Review ~5 min</p>	<p><i>Review Facilitate Meaningful Discourse and Pose Purposeful Questions</i></p> <ul style="list-style-type: none"> • Review pages 29-41 • Identify one thought that resonated with you from either practice.
<p>Share out ~5 min</p>	<p><i>Thoughts that resonated with you</i></p> <ul style="list-style-type: none"> • What was one thought that resonated with you from either practice? • Share out with small group
<p>Facilitate Meaningful Discourse ~15-20 min</p>	<p><i>Facilitate Meaningful Discourse</i></p> <ul style="list-style-type: none"> • Using Mr. Donnelly’s lesson, look at how he attends to the 5 practices for using student responses in whole class discussion. • Referring to page 34, discuss how these 5 teacher moves support meaningful discourse. • Consider student talk in your own practice while reviewing the Levels of Classroom Discourse, p. 32. • Which of these practices are underutilized in classrooms?
<p>Reflections & Commitments ~5-10 min</p>	<p><i>Making a commitment</i></p> <ul style="list-style-type: none"> • How can we help teachers become more intentional with incorporating these practices?



Mathematic Teaching Practices: Posing Purposeful Questions

Effective teaching of mathematics uses purposeful questions to assess and advance students' reasoning and sense making about important mathematical ideas and relationships.

Principles to Actions: (p. 35-42)

Do the Task ~10 min	Consider the math task for your Grade Band from Inside Mathematics: Digging for Dinosaurs <ul style="list-style-type: none">Do the math in your grade band group
Anticipate ~5-10 min	<ul style="list-style-type: none">Anticipate likely student responses and misconceptions (see Smith & Stein's practice 1, p. 30)
Pose Questions ~10-15 min	<i>Posing Purposeful Questions</i> <ul style="list-style-type: none">Create a list of related questions using the framework in figure 14 (pp. 36–37)
Share Out ~10-15 min	<ul style="list-style-type: none">Create a poster with the work to solve your selected problem and your list of questionsTake a Gallery Walk to look at other groups work
Review ~5-10 min	<i>Reviewing Levels of Discourse</i> <ul style="list-style-type: none">In group of 2-3, review the continuum (Fig. 11) on page 32Personally reflect on what you see as next steps for movement along this continuumShare out with your group how the continuum can help you think about your work with teachers in your building/district