



Virtual: Mathematics Achievement Academy, Kindergarten Blended Learning Sessions Agenda

Day 1

Activities
Introduction <ul style="list-style-type: none">Welcome and celebrations in chat featureShare outcomes and learning intentionsReview resources and materialsRevisit MAA Norms<ul style="list-style-type: none">Break participants into random break out roomsShare MAA, Kindergarten Follow-Up Session: Academic Vocabulary Day 1Complete MAA, Kindergarten Follow-Up Session: Pre-Assessment
Setting the Stage for Problem Solving <ul style="list-style-type: none">Problem solving challenge: The Elephant ChallengeProblem solving in everyday LifeTeacher and student roles in problem solving<ul style="list-style-type: none">Break participants into 4 break out roomsProblem solving student expectation K(1)(B)
Analyzing Given Information <ul style="list-style-type: none">Explore component using DogsIntroduction to Mathematical Language Routines and Discourse and Co-Craft Questions (<i>Video</i>)Model Co-Craft QuestionsPractice Co-Craft Questions<ul style="list-style-type: none">Break participants into break out rooms with 3-4 participantsSummarize component using toolkit cardTeacher Action: Movie in Mind
Formulating a Plan or Strategy <ul style="list-style-type: none">Explore component using Stickers TaskModel small group discourse experiencePractice facilitating discourse experience<ul style="list-style-type: none">Break participants into break out rooms with 3-4 participantsSummarize component using toolkit cardTeacher Action: Artist Drawing vs Mathematical Drawing
Determining a Solution and Evaluating for Reasonableness <ul style="list-style-type: none">Explore component using Bus TaskSummarize component using toolkit cardTeacher Action: Counting-on
Explanation of Online Professional Learning Components <ul style="list-style-type: none">Review checklist for online assignments
Closure <ul style="list-style-type: none">Complete Exit Slip: Success Criteria Reflection



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Online

Activities
Virtual Tour <ul style="list-style-type: none">• Watch the video
Collecting Evidence of Student Reasoning <ul style="list-style-type: none">• Print Notes Page• Watch the video
Tasks Choice Board <ul style="list-style-type: none">• Choose three introductory tasks from the Choice Board• Create exemplars• Complete Anticipated Misconceptions and Scaffolds
Analyzing Given Information Cycle <ul style="list-style-type: none">• Complete the Analyzing Given Information: Planning Sheet Introductory Task <ul style="list-style-type: none">• Use a chosen introductory task to create a student work sample for a student that shows additional opportunities for growth• Respond to the reflection questions Discourse Task <ul style="list-style-type: none">• Review the structure of Co-Craft Questions by watching the video and reviewing Toolkit Card• Use a chosen Discourse Task to create student work using the steps on the toolkit card• Respond to the reflection questions Formative Assessment Task <ul style="list-style-type: none">• Use a chosen Analyzing Formative Assessment to create a student work sample for a student receiving a check (a student not able to answer part of the question)• Respond to the reflection question
Formulating a Plan or Strategy Cycle <ul style="list-style-type: none">• Complete the Formulating a Plan or Strategy: Planning Sheet Introductory Task <ul style="list-style-type: none">• Use a chosen introductory task to create a student work sample for a student that shows additional opportunities for growth• Respond to the reflection questions Discourse Task <ul style="list-style-type: none">• Review the Formulating a Plan or Strategy Practice• Use a chosen Discourse Task to record student responses they anticipate from the questions on the Formulating a Plan or Strategy script• Respond to the reflection question Formative Assessment Task <ul style="list-style-type: none">• Use a chosen a Formulating a Plan or Strategy Formative Assessment. Anticipate a student work sample for a student receiving a check (a student not able to answer part of the question)• Respond to the reflection question



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Determining a Solution Cycle

- Complete the Determining a Solution: Planning Sheet

Introductory Task

- Use a chosen introductory task to create a student work sample for a student that shows additional opportunities for growth
- Respond to the reflection questions.

Discourse Task

- Review the Instructional Support Summary.
- Use a chosen one Instructional support and create possible student responses to "Making a Movie in My Mind" then create possible "Artistic Drawings Versus Math Drawing."
- Respond to the reflection question.

Formative Assessment Task

- Choose a Determining a Solution Formative Assessment
- Anticipate a student work sample for a student receiving a check (a student not able to answer part of the question)
- Respond to the reflection question

Closure

- Complete the Exit Slip: Online Professional Learning Session



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Day 2

Activities
Welcome <ul style="list-style-type: none">• Welcome• Share outcomes and learning intentions• Review resources and materials• Revisit MAA Norms• Share MAA, Kindergarten Follow-Up Session: Academic Vocabulary Day 2• Academy Celebrations• Summarizing Our Learning
Three-Act Tasks <ul style="list-style-type: none">• Explore a three-act task
Justifying and Evaluating <ul style="list-style-type: none">• Explore component using Books• Explore component using Hats Task<ul style="list-style-type: none">◦ Break participants into break out rooms with 3-4 participants• Summarize component using toolkit card• Teacher Action: modeling changing order of counters
What Is Problem Solving? <ul style="list-style-type: none">• Problem-Solving Model• Heuristic Video• Proficient problem solvers
Exploring Problems <ul style="list-style-type: none">• Exercise versus problem <i>Provide participants the Exercise Versus problem Toolkit Card</i>• Explore Examples of Kindergarten problems<ul style="list-style-type: none">◦ Break participants into break out rooms with 3-4 participants
Five Practices for Mathematical Discussions <ul style="list-style-type: none">• Experience the Five Practices for Mathematical Discussions<ul style="list-style-type: none">◦ Break participants into 4 break out rooms• Identifying the Five Practices for Mathematical Discussions
Promoting Equity <ul style="list-style-type: none">• Connecting student voice to equity<ul style="list-style-type: none">◦ Break participants into 5 break out rooms
Closure <ul style="list-style-type: none">• Putting it all together• Complete Exit Slip: Success Criteria Reflection• Complete post-assessment