

Puzzle Talks Walkthrough

Use this document to monitor your implementation of Puzzle Talks in the classroom. It also serves as a supporting document for teachers as they plan to integrate Puzzle Talks into the classroom. The document is divided into **three sections: (1) Learning Environment, (2) Student/Teacher Interactions, and (3) Accountability. Look Fors** provide a quick checklist to support a successful implementation. Included in this document are suggested strategies for using the Puzzle Talk lessons, resources, & related materials to support implementation.

Learning Environment

Look-Fors	Strategies	Notes
<ul style="list-style-type: none"><input type="checkbox"/> Math tools/resources readily available.<input type="checkbox"/> Teacher monitors students during discussion.<input type="checkbox"/> Use of strategies to keep students engaged.<input type="checkbox"/> Students lead the discussion.<input type="checkbox"/> Students work in whole & small groups (2+).	<ul style="list-style-type: none">• Prepare relevant resources (game mats, math mats, puzzle extensions, etc.) and manipulatives prior to delivering the Puzzle Talk.• Review the look-fors and misconceptions identified on the Puzzle Talk lesson guide to anticipate questions you may want to ask.• Provide opportunities for students to share their ideas.• Take opportunities to explore student ideas (correct/incorrect) that will further math understanding.	

Student/Teacher Interactions

Look-Fors	Strategies	Notes
<ul style="list-style-type: none"><input type="checkbox"/> Student-to-student discourse.<input type="checkbox"/> Student-to-teacher discourse.<input type="checkbox"/> Various students sharing strategies.<input type="checkbox"/> Teacher facilitates student thinking.<input type="checkbox"/> Math connections are being made.<input type="checkbox"/> Testing different strategies and analyzing feedback.	<ul style="list-style-type: none">• Encourage students to share their ideas, and check and challenge each other during student-to-student conversations.• Use the Problem Solving Process to support the facilitation of student conversations.• Connect the math in the puzzles to classroom lessons.• Use engagement strategies like think-pair-share, round-robin, voting, revoicing, etc. to keep all students engaged in the discussion.	

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Accountability

Look-Fors	Strategies	Notes
<ul style="list-style-type: none"><input type="checkbox"/> Students are thinking & problem-solving.<input type="checkbox"/> Students examine & discuss mistakes in whole group or small group.<input type="checkbox"/> Students revisit/refine solutions.<input type="checkbox"/> Students are engaged in activities that extend thinking.	<ul style="list-style-type: none">• Purposefully plan questions that require the students to think and problem solve. Use the Puzzle Talk Facilitation Guide for sample questions and facilitation support.• Respond to student questions with another question that promotes their thinking.• Engage students in discussions around mistakes and incorrect strategies to further student learning.• When examining the feedback, focus on what happened and how that relates to the strategies students used. Did what they think would happen, happen? How will they refine their strategy?• Use the extension activities to give students an opportunity to apply what they learned and make connections.	