

Gr. 3-5



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## Grades 3–5 Standards for Mathematical Practice

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### Levels of Instruction



Dr. Akihiko Takahashi emphasizes the value of the Standards for Mathematical Practice for our third through fifth grade students as well as three levels of teaching that produce different responses from our students.

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### Teaching Through Problem-Solving



Dr. Takahashi details the importance of using the standards of mathematical practice to help students learn mathematics. He discusses how to use the task and the sequence of the lesson activities as well as the teacher's role to promote the learning of mathematics through problem-solving.

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### Student Note-Taking



Dr. Takahashi describes how to make student thinking visible through students' note-taking and how to use these notes to promote mathematical reasoning and understanding.

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### Power of Questioning



Dr. Takahashi explains the role and significance of questioning as we lead students through the problem solving process. He demonstrates how asking the appropriate question at the appropriate time can prompt the students' use of the Standards for Mathematical practice.

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[http://www.cpalms.org/beyond\\_standards/beyond\\_standards.aspx](http://www.cpalms.org/beyond_standards/beyond_standards.aspx)