

Engage in the Mathematical Practices: Strategies to Build Numeracy and Literacy With K-5 Learners

Kit Norris, Sarah Schuhl

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Increase student learning of K-5 mathematics with engaging lesson plans and high-level tasks. In this userfriendly guide, mathematics teachers will discover more than 40 strategies for ensuring students learn critical reasoning skills and retain understanding. Each chapter is devoted to a different Standard for Mathematical Practice and offers an in-depth look at why the standard is important for students' understanding of mathematics.

Benefits

- Gain examples of high-level tasks and lesson design templates that promote the Standards for **Mathematical Practice**
- Discover targeted strategies you can use to help students meet the standards.
- Explore research that supports the importance of the standards and strategies.
- Consider real-life experiences that illustrate the tools and strategies at work outside the classroom.
- Access reproducible task guides, task sources, and planning tools to help students contextualize mathematics as more than a memorization process.

Contents

- 1 Standard for Mathematical Practice 1: Make Sense of Problems and Persevere in Solving Them
- 2 Standard for Mathematical Practice 2: Reason Abstractly and Quantitatively
- 3 Standard for Mathematical Practice 3: Construct Viable Arguments and Critique the Reasoning of Others
- 4 Standard for Mathematical Practice 4: Model With Mathematics
- 5 Standard for Mathematical Practice 5: Use Appropriate Tools Strategically
- 6 Standard for Mathematical Practice 6: Attend to Precision
- 7 Standard for Mathematical Practice 7: Look for and Make Use of Structure
- 8 Standard for Mathematical Practice 8: Look for and Express Regularity in Repeated Reasoning

Epilogue: What Do I Do With These Strategies?

Appendices



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