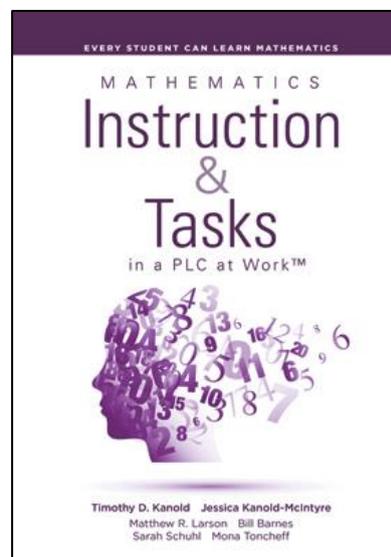


# Mathematics Instruction and Tasks in a PLC at Work™

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| <b>Key Learning Area:</b> | Mathematics   |



## Summary

*Mathematics Homework and Grading in a PLC at Work™* guides K–12 teachers to reflect on lesson design practices, compare those practices against high-quality standards of mathematics lesson design, and develop and use effective lessons that engage students within the mathematics classroom. Part of the *Every Student Can Learn Mathematics* series, it offers a comprehensive professional learning community approach to sustaining deep change in mathematics success. The PLC at Work process is one of the best models that schools or districts can use to build a more equitable learning experience for students. Using the four critical questions of a PLC, teams will provide every mathematics student with common learning experiences, opportunities for sustained perseverance, and robust formative feedback. Divided into two parts, this book offers two key team actions for success from the Mathematics in a PLC at Work framework, guiding grades K–12 teachers to (1) develop high-quality mathematics lessons for daily instruction (2) use effective lesson designs to provide formative feedback and improve student perseverance.

Readers will:

- Learn the six essential lesson-design elements
- Understand the importance of communicating the why of mathematical skills and essential learning standards to students
- Collaborate within teacher teams to design effective instruction
- Find essential tools to establish an equitable learning environment

## Other Resources

- *Mathematics Coaching and Collaboration in a PLC at Work™* (SOT7392)
- *Mathematics Assessment and Intervention in a PLC at Work™* (SOT7385)
- *Mathematics Homework and Grading in a PLC at Work™* (SOT7408)