

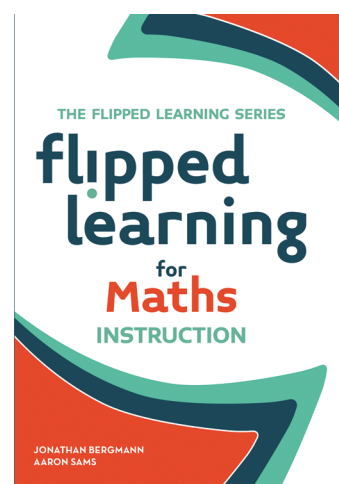
Flipped Learning for Maths Instruction

Author(s): Jonathan Bergmann, Aaron Sams

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Summary

Building on their best-selling book *Flip Your Classroom: Reach Every Student in Every Class Every Day*, flipped education innovators Jonathan Bergmann and Aaron Sams return with a book series that supports flipped learning in the four topic areas of Science, Maths, English and Humanities and Social Sciences, as well as the primary classroom.

In this new book, the authors discuss how educators can successfully apply the flipped classroom model in primary classrooms. Each chapter offers practical guidance, including how to approach lesson planning, what to do with class time and how to employ project-based learning techniques.

The idea of the flipped classroom is really quite simple. Direct instruction is done through video, or some other digital learning object, which students can individually use before they come to class. This time shift allows the teacher to use class time for work that is either better done as a large group or requires individualised attention by the teacher. That's it! The flipped class, in brief, is direct instruction delivered to the individual outside of class so there is more strategic use of in-class time for group work and individualised attention.

This book is a practical guide for mathematics teachers interested in flipping their classrooms. It helps real Maths teachers deal with the realities of teaching in an increasingly interconnected and digital world. This book serves as a guide for Maths teachers who are beginning to flip their classes, or are interested in exploring the flipped model for the first time. Each chapter explores practical ways to bring flipped learning into the Maths classroom, including:

- How to flip your class, and the four hurdles to flipping (thinking, technology, time and training).
- How your approach to planning changes as you implement flipped learning.
- How flipping will enhance the practical mathematics experience for students.
- How you can use traditional resources such as textbooks and the internet.

Other Resources

- *Flipped Learning: Gateway to Student Engagement (IST4803)*
- *Flipped Learning and Workbook (IST4002)*
- *Flip Your Classroom: The Workbook: Making Flipped Learning Work for You (IST5466)*
- *Flipped Learning for English Instruction (IST7521)*