

Teaching Mathematics in the Visible Learning Classroom: Grades K-12



Teaching Mathematics in the Visible Learning Classroom, Grades 3-5 (Corwin Mathematics Series)

by Douglas Fisher

★★★★☆ 4.7 out of 5

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Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
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Mathematics is a fundamental subject that provides students with the skills and knowledge necessary to succeed in a variety of fields. However, many students struggle with mathematics, and this can lead to a lack of confidence and a negative attitude towards the subject. In this article, I will discuss the Visible Learning approach to mathematics instruction, which has been shown to improve student achievement and engagement.

What is Visible Learning?

Visible Learning is a research-based approach to teaching that focuses on the visible effects of instruction on student learning. The key principles of Visible Learning include:

- **Clarity:** Students need to be clear about what they are learning and why.
- **Feedback:** Students need to receive regular and specific feedback on their work.
- **Challenge:** Students need to be challenged to think critically and apply their knowledge.
- **Engagement:** Students need to be engaged in their learning.
- **Collaboration:** Students need to work together to learn.

How to Implement Visible Learning in Mathematics Instruction

There are many ways to implement Visible Learning in mathematics instruction. Here are a few examples:

- **Use clear and concise language when explaining concepts.**
- **Provide students with regular and specific feedback on their work.**
- **Challenge students to think critically and apply their knowledge to new situations.**
- **Engage students in hands-on activities and real-world problems.**
- **Encourage students to work together to solve problems.**

Benefits of Visible Learning

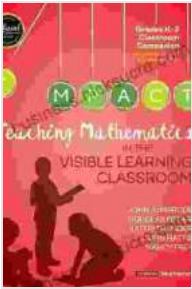
Research has shown that the Visible Learning approach to mathematics instruction can lead to a number of benefits, including:

- Increased student achievement
- Improved student engagement
- Reduced student anxiety
- Increased student confidence
- A more positive attitude towards mathematics

The Visible Learning approach to mathematics instruction is a powerful tool that can help teachers to improve student achievement and engagement. By implementing the principles of Visible Learning, teachers can create a classroom environment that is conducive to learning and success.

Author: John Hattie

John Hattie is a world-renowned educational researcher and author. He is the director of the Melbourne Education Research Institute at the University of Melbourne. Hattie's research focuses on the visible effects of instruction on student learning.

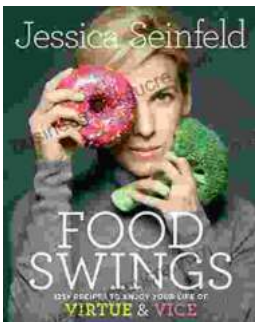


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