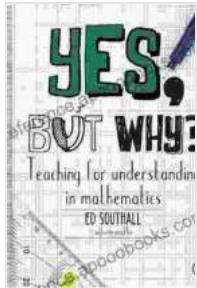


Yes But Why: Teaching for Understanding in Mathematics



Yes, but why? Teaching for understanding in mathematics (Corwin Ltd) by Ed Southall

★★★★☆ 4.2 out of 5

Language : English
File size : 85523 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 400 pages
X-Ray for textbooks : Enabled



By Carole Dweck

In this groundbreaking book, renowned mathematics educator Carole Dweck flips the traditional understanding of mathematics instruction on its head. She argues that too often, we teach for superficial knowledge and skills, leaving our students without a deep understanding of the underlying concepts. Dweck challenges us to change our approach and instead teach for understanding, which involves helping students develop a coherent network of knowledge that they can use to solve problems and make sense of the world around them.

Dweck presents a wealth of research-based evidence to support her claim that teaching for understanding is more effective than teaching for

superficial knowledge and skills. For example, she shows that students who are taught for understanding are better able to:

- Solve problems
- Make connections between different concepts
- Apply their knowledge to new situations
- Think critically
- Persevere in the face of challenges

Dweck also provides practical advice on how to teach for understanding. She suggests that teachers:

- Focus on helping students develop a deep understanding of the underlying concepts
- Provide opportunities for students to practice applying their knowledge to new situations
- Encourage students to ask questions and challenge their own understanding
- Provide feedback that helps students identify their strengths and weaknesses
- Create a classroom environment that is supportive and encourages risk-taking

Yes But Why is a must-read for any mathematics educator who is looking to improve their teaching. Dweck's research-based insights and practical

advice will help you to create a classroom environment that is conducive to learning and understanding.

Praise for Yes But Why

"Dweck's book is a game-changer for mathematics education. She provides a clear and compelling argument for why we need to teach for understanding, and she offers practical advice on how to do it. This book is a must-read for any mathematics educator who is serious about improving their teaching." —Jo Boaler, Professor of Mathematics Education at Stanford University

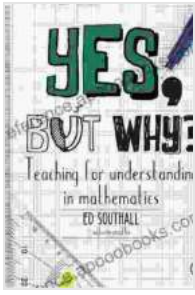
"Dweck's book is a tour de force. She provides a comprehensive overview of the research on teaching for understanding, and she offers a wealth of practical advice on how to implement it in the classroom. This book is an essential resource for any mathematics educator who wants to help their students achieve their full potential." —John Hattie, Professor of Education at the University of Melbourne

About the Author

Carole Dweck is a leading researcher in the field of motivation and achievement. She is the author of several books, including *Mindset: The New Psychology of Success*. Dweck is a professor of psychology at Stanford University.

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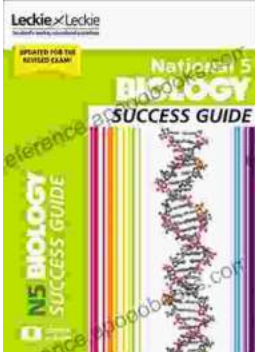
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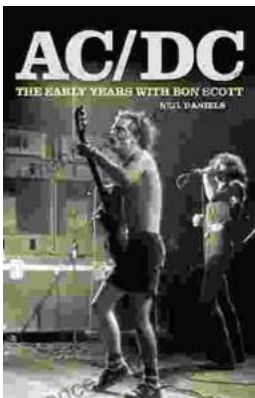
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