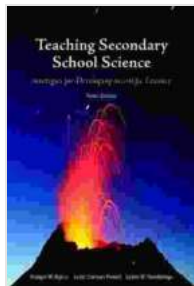


Teaching Secondary School Science: A Comprehensive Guide for Educators



Teaching Secondary School Science: Strategies for Developing Scientific Literacy (2-downloads)

by Rodger W. Bybee

★★★★☆ 4.4 out of 5

Language : English
File size : 2153 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 356 pages



Author: Leslie W. Trowbridge and Gerald D. Trowbridge

Publisher: Pearson

Publication Date: 2015

: 9780133872939

Overview:

Teaching Secondary School Science is a comprehensive guide for teachers of science at the secondary level. The book covers a wide range of topics, including curriculum planning, instructional strategies, assessment, and classroom management. The authors draw on their extensive experience in

teaching and teacher education to provide practical advice and guidance for teachers at all levels of experience.

Curriculum Planning

The book begins with a discussion of curriculum planning. The authors argue that effective curriculum planning is essential for ensuring that students learn the science they need to know. They provide a step-by-step guide to curriculum planning, including tips on how to align your curriculum with state and national standards, develop engaging and relevant lessons, and differentiate instruction for students with diverse needs.

Instructional Strategies

The next section of the book focuses on instructional strategies. The authors discuss a variety of teaching methods, including lecture, inquiry-based learning, and cooperative learning. They also provide guidance on how to use technology in the science classroom and how to differentiate instruction for students with diverse learning styles.

Assessment

Assessment is an important part of teaching and learning. The book provides a comprehensive overview of assessment, including tips on how to develop effective assessments, use assessment data to improve instruction, and communicate assessment results to students and parents.

Classroom Management

Classroom management is essential for creating a positive and productive learning environment. The book provides practical advice on how to

establish and maintain classroom rules and procedures, manage student behavior, and resolve conflicts.

Strengths:

- Comprehensive coverage of a wide range of topics
- Practical advice and guidance for teachers at all levels of experience
- Draws on the authors' extensive experience in teaching and teacher education
- Well-written and engaging

Weaknesses:

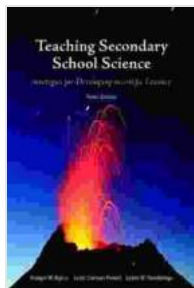
- Some sections of the book are a bit dense and technical
- The book does not include any lesson plans or other resources

Overall:

Teaching Secondary School Science is a valuable resource for teachers of science at the secondary level. The book provides comprehensive coverage of a wide range of topics, including curriculum planning, instructional strategies, assessment, and classroom management. The authors draw on their extensive experience in teaching and teacher education to provide practical advice and guidance for teachers at all levels of experience.

While the book does have some weaknesses, its strengths far outweigh its weaknesses. I highly recommend Teaching Secondary School Science to any teacher who is looking for a comprehensive guide to teaching science at the secondary level.

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