

Handbook for Designing Problem Solving Learning Environments: Unlocking the Power of Learning by Doing



Empowering Students to Solve Complex Problems

In today's rapidly evolving world, students need more than just knowledge. They need the ability to think critically, solve complex problems, and adapt to unforeseen challenges. The Handbook for Designing Problem Solving Learning Environments provides educators with a comprehensive framework for creating learning spaces that foster these essential skills.



Learning to Solve Problems: A Handbook for Designing Problem-Solving Learning Environments by David H. Jonassen

★★★★★ 5 out of 5

Language	: English
File size	: 15570 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 466 pages



Authors Dr. Susan A. Ambrose, Dr. Michael W. Bridges, Dr. Michele DiPietro, and Dr. Marsha C. Lovett, renowned experts in education and learning science, draw upon decades of research and best practices to guide educators in:

- Understanding the principles of problem solving and its importance in education
- Designing learning environments that promote critical thinking, creativity, and collaboration
- Integrating problem-solving activities seamlessly into the curriculum

li>Assessing student learning and providing meaningful feedback

Benefits for Educators and Students

The Handbook for Designing Problem Solving Learning Environments is an invaluable resource for educators at all levels, from K-12 to higher

education. By implementing the strategies outlined in this book, educators can create learning environments that:

- Enhance student engagement and motivation
- Develop students' problem-solving skills and critical thinking abilities
- Foster collaboration and teamwork among students
- Prepare students for success in higher education and the workforce

Case Studies and Real-World Examples

In addition to providing theoretical foundations, the Handbook for Designing Problem Solving Learning Environments features real-world examples and case studies from schools across the country. These case studies illustrate how educators have successfully implemented problem-solving learning environments in various subject areas, including STEM, language arts, and social studies.

Essential Reading for Educators

If you are an educator who is committed to preparing students for the challenges of the 21st century, the Handbook for Designing Problem Solving Learning Environments is an essential read. This comprehensive guide will help you create learning environments that inspire curiosity, ignite critical thinking, and empower students to become confident problem solvers.

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