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Titolo	Instructional sequence matters, grades 3-5 : explore before explain // Patrick Brown
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Sommario/riassunto	"Instructional sequence definitely does matter when it comes to helping children in grades 3 to 5 learn science. That's why this book focuses on showing you how to do two things: (1) make simple shifts in the way you arrange and combine activities and (2) put the Next Generation Science Standards (NGSS) into practice. Like its popular counterpart for grades 6-8, the book gives you a complete self-guided tour to becoming an "explore-before-explain" teacher. When you adopt this teaching mindset, you'll help your students construct accurate knowledge firsthand-an important part of science learning even for elementary-age children. Instructional Sequence Matters is grounded in two research-based approaches: POE (Predict, Observe, and Explain) and 5E (Engage, Explore, Explain, Elaborate, Evaluate). Author Patrick Brown starts by describing why the order in which you structure your lessons is so critical. Then you'll learn how to plan and design these instructional sequences yourself. Ready-to-use lessons will help you turn theory into action when you're teaching about heat and temperature, magnetism, and electric circuits. Detailed examples show how specific aspects of all three dimensions of the NGSS can translate into your classroom. Reflection questions throughout the book challenge you to embrace and adapt the new approaches. "Not only is Instructional Sequence Matters a delightful read, but it is also practical

and helpful," Rodger W. Bybee, author of The BSCS 5E Instructional Model, writes in the foreword. "What more could science teachers ask for?"--

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