



## Exploring Earth Science (WCB Geology)

By Stephen Reynolds, Julia Johnson

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**Exploring Earth Science (WCB Geology)** By Stephen Reynolds, Julia Johnson

*Exploring Earth Science* by Reynolds/Johnson is an innovative textbook intended for an introductory college geology course, such as Earth Science. This ground-breaking, visually spectacular book was designed from cognitive and educational research on how students think, learn, and study.

Nearly all information in the book is built around 2,600 photographs and stunning illustrations, rather than being in long blocks of text that are not articulated with figures. These annotated illustrations help students visualize geologic processes and concepts, and are suited to the way most instructors already teach. To alleviate cognitive load and help students focus on one important geologic process or concept at a time, the book consists entirely of two-page spreads organized into 20 chapters. Each two-page spread is a self-contained block of information about a specific topic, emphasizing geologic concepts, processes, features, and approaches. These spreads help students learn and organize geologic knowledge in a new and exciting way.

Inquiry is embedded throughout the book, modeling how scientists investigate problems. The title of each two-page spread and topic heading is a question intended to get readers to think about the topic and become interested and motivated to explore the two-page spread for answers. Each chapter is a learning cycle, which begins with a visually engaging two-page spread about a compelling geologic issue. Each chapter ends with an Investigation that challenges students with a problem associated with a virtual place. The world-class media, spectacular presentations, and assessments are all tightly articulated with the textbook. This book is designed to encourage students to observe, interpret, think critically, and engage in authentic inquiry, and is highly acclaimed by reviewers, instructors, and students.

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## Exploring Earth Science (WCB Geology) By Stephen Reynolds, Julia Johnson Bibliography

- Sales Rank: #1042869 in Books
- Published on: 2015-02-06
- Original language: English
- Number of items: 1
- Dimensions: 10.80" h x .90" w x 9.60" l, .0 pounds
- Binding: Paperback
- 684 pages

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## **Editorial Review**

### **About the Author**

Julia K. Johnson is currently a full-time faculty member in the School of Earth and Space Exploration at Arizona State University. Her M.S. and Ph.D. research involved structural geology and geoscience education research. The main focus of her geoscience education research is on student- and instructor-generated sketches for learning, teaching, and assessment in college geology classes. Prior to coming to ASU, she did groundwater studies of copper deposits and then taught full time in the Maricopa County Community College District, teaching Physical Geology, Environmental Geology, and their labs. At ASU, she teaches Introduction to Geology to nearly 1,000 students per year and supervises the associated introductory geology labs. She also coordinates the introductory geology teaching efforts of the School of Earth and Space Exploration, helping other instructors incorporate active learning and inquiry into large lecture classes.

Stephen J. Reynolds is the author of the highly successful Exploring Geology, Stephen Reynolds is bringing his innovation and strong visual content to Exploring Physical Geography. Stephen J. Reynolds received an undergraduate degree from the University of Texas at El Paso, and M.S. and Ph.D. degrees in geosciences from the University of Arizona. He then spent ten years directing the geologic framework and mapping program of the Arizona Geological Survey, completing a new Geologic Map of Arizona. Steve currently is a professor in the School of Earth and Space Exploration at Arizona State University, where he has taught various courses about regional geology, earth resources, evolution of landscapes, field studies, and teaching methods. As a National Association of Geoscience Teachers (NAGT) distinguished speaker, he traveled across the country presenting talks and workshops on how to infuse active learning and inquiry into large introductory geology classes. He is commonly an invited speaker to national workshops and symposia on active learning, visualization, and teaching.

## **Users Review**

### **From reader reviews:**

#### **Paul Blecha:**

This Exploring Earth Science (WCB Geology) book is not ordinary book, you have after that it the world is in your hands. The benefit you obtain by reading this book is actually information inside this guide incredible fresh, you will get info which is getting deeper anyone read a lot of information you will get. This specific Exploring Earth Science (WCB Geology) without we know teach the one who reading it become critical in imagining and analyzing. Don't end up being worry Exploring Earth Science (WCB Geology) can bring whenever you are and not make your tote space or bookshelves' come to be full because you can have it in your lovely laptop even cellphone. This Exploring Earth Science (WCB Geology) having excellent arrangement in word and layout, so you will not feel uninterested in reading.

#### **Philip Martin:**

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content interior easier to understand, entertaining technique but still convey the meaning completely. So , it is good for you because of not hesitating having this anymore or you going to regret it. This book will give you a lot of benefits than the other book have such as help improving your expertise and your critical thinking means. So , still want to hold off having that book? If I were being you I will go to the publication store hurriedly.

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