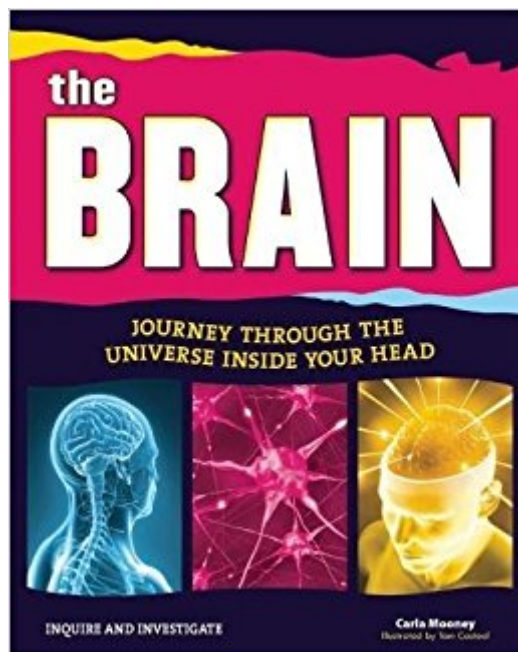




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The Brain: Journey Through The Universe Inside Your Head (Inquire And Investigate)



Synopsis

Why do we do and say the things we do and say? *The Brain: Journey Through the Universe Inside Your Head* introduces students to the fascinating world of the human brain and its effect on behavior. Readers learn about the main anatomy and functions of the brain while discovering the brain's role in learning, memory, communication, and emotions. Kids also read about new technologies being used to research the brain in its various states of performance while being introduced to the effects of sleep, alcohol, and exercise on our most complex organ. Combining hands-on activities with neuroscience, anatomy, and psychology, *The Brain* includes projects such as building a 3-D brain model and testing how the brain adapts to a new situation. *The Brain* integrates a digital learning component by providing links to primary sources, videos, and other relevant websites. Additional materials include a glossary, timeline, and a list of current reference works. *The Brain* is a unique opportunity to connect behavior, physiology, and the outside world in one amazing place—your head! This title meets Common Core State Standards for literacy in science and technology; Guided Reading Levels and Lexile measurements indicate grade level and text complexity.

Book Information

Lexile Measure: 1000 (What's this?)

Series: Inquire and Investigate

Hardcover: 128 pages

Publisher: Nomad Press; 1 edition (July 14, 2015)

Language: English

ISBN-10: 1619302748

ISBN-13: 978-1619302747

Product Dimensions: 8.2 x 0.6 x 10.1 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,140,756 in Books (See Top 100 in Books) #25 in Books > Teens >

Education & Reference > Science & Technology > Technology > How Things Work #54 in Books

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in Books > Teens > Education & Reference > Science & Technology > Chemistry

Age Range: 12 - 15 years

Grade Level: 6 - 10

Customer Reviews

Puget Sound Council for the Review of Children's Media Rating: Recommended Superior in style, liveliness, integrity and format: Delve deep into the inner workings of the human brain in this book full of eye-catching text features like QR codes and cartoons. Seven chapters lay out topics on the brain's physiology, development, emotions, memory and learning, language and speech, and brain health. The text explains necessary science vocabulary both in context as well as in its extensive glossary, and it should be accessible to most middle school readers. Each chapter contains two to four "Inquire & Investigate" segments laid out as experiments. For instance, in the Memory and Learning chapter, readers are presented with an experiment called "Create a False Memory" wherein the procedure involves testing the memories of volunteers using two different word lists. One list has a theme (school-related words) and the other only has a couple of terms from the first list. Variables are suggested for decreasing the amount of time that the subjects look at the lists and wait to look at the second list. Engaging content that will drive understanding makes this book useful to students and educators. Publishers Weekly an extensive introduction to the brain's capability and function, with just enough humor and interactivity to keep readers engaged. Science Books and Films +: Recommended This book from the Inquire and Investigate series gives readers the opportunity to explore the human brain with informative text and activities. The seven chapters cover the anatomy and physiology of the brain, brain development, the senses and the brain, emotions and feelings, memory and learning, language and speech, and the healthy brain. The information is well organized, clearly presented, and accurate. The format of the book is inviting. Each chapter has interest-catching sidebars and insets, including: key concepts; brain teasers; QR codes to scan to access primary sources on the Internet; cartoons; and key questions, which can be used by readers to check on their understanding of the material in the chapter. Each chapter includes several hand-on activities related to exploring such topics as right versus left dominance, testing your working memory, and stress and the brain. The book begins with a timeline that serves as an interesting introduction to the history of human understanding of the human brain and how it works. The book ends with a "Much More to Learn" section that addresses the fact that in spite of the great advances in neuroscience in recent years, so much about the human brain and its functions remains unknown. Back matter includes an extensive glossary, resources (books, websites, museums to visit, QR code index), and index. 4/10/2014 #1 Hot New Release in Teen & Young Adult Biology Books

Eric Chudler, Executive Director, Center for Sensorimotor Neural Engineering Clear writing

and colorful graphics make *The Brain: Journey Through the Universe Inside Your Head* a terrific resource for young learners interested in learning about those three pounds of tissue in our heads. • • Margaret A.B. Sheridan, Assistant Professor in Pediatrics, Harvard Medical School • • "This excellent book not only contains clear and accurate information about neuroscience, but also provides fun activities for children to engage with as they explore the brain! . . . I just wish books like this existed when I was growing up!" • • Nick Spitzer, Director, Kavli Institute for Brain and Mind • • "An excellent introduction to the way our nervous system works. . . Highly recommended!" • •

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