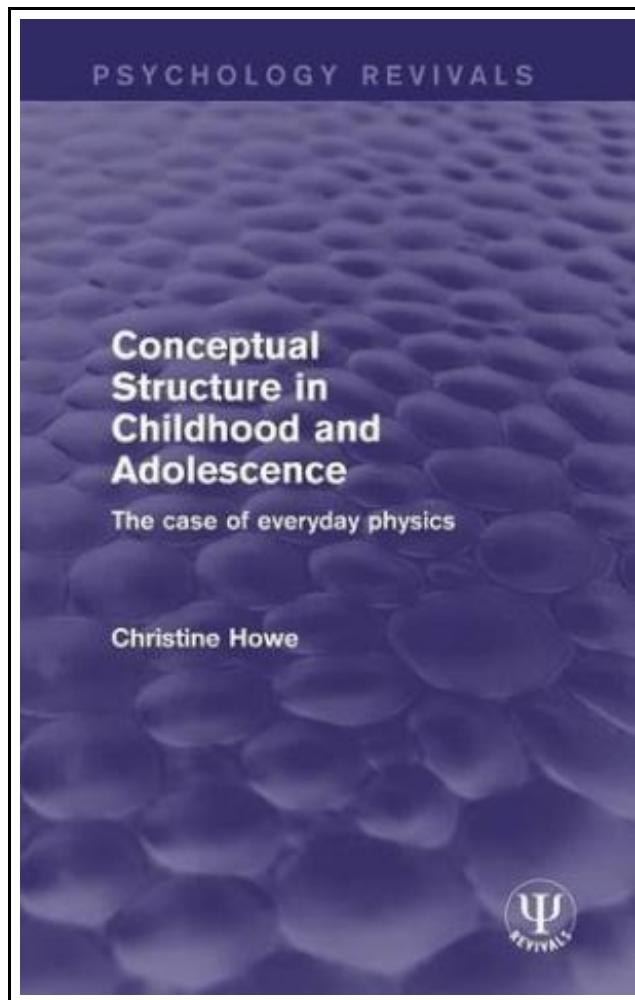


Conceptual Structure in Childhood and Adolescence: The Case of Everyday Physics (Hardback)



Filesize: 8.36 MB

Reviews

Here is the finest ebook i have got read until now. It really is simplistic but excitement within the 50 percent in the book. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Lupe Connelly)

CONCEPTUAL STRUCTURE IN CHILDHOOD AND ADOLESCENCE: THE CASE OF EVERYDAY PHYSICS (HARDBACK)



DOWNLOAD PDF

Taylor Francis Ltd, United Kingdom, 2016. Hardback. Book Condition: New. 234 x 156 mm. Language: English . Brand New Book ***** Print on Demand *****. Heat breaks up charcoal and puts sulphur dioxide in ; The air pulls faster on heavy masses. These and other similar statements by school-aged children untutored in physics carry two messages. First, children s pre-instructional conceptions of the physical world are a far cry from the received wisdom of science; second, despite their lack of orthodoxy, children s conceptions carry a definite sense of causal mechanism. This sense of mechanism is the focal concern of this book, originally published in 1998, for it raises issues of central importance to both psychological theory and educational practice. In particular, some psychologists have claimed that human cognition is organised around causal mechanisms along the lines of a theory. This carries specific implications for teaching. Does the existence in children s thinking of causal mechanisms relating to the physical world support these psychologists? Does this have consequences for the teaching of science? Christine Howe reviews evidence relating to pre-instructional conceptions in three broad topic areas: heat and temperature; force and motion; floating and sinking. A wide range of published work is discussed, including the author s own research. In addition, a new study covering all three topic areas is reported for the first time. The message is that causal mechanisms can indeed play an organising role, that untutored cognition can in other words be genuinely theoretical. However, this tendency is highly domain-specific, occurring in some topic areas but not in others. Having drawn these conclusions, Christine Howe discusses their meaning in terms of both cognitive development and educational practice. A model is outlined which synthesises Piagetian action-groundedness with Vygotskyan cultural-symbolism and has a distinctive message for classrooms. This title...



[Read Conceptual Structure in Childhood and Adolescence: The Case of Everyday Physics \(Hardback\) Online](#)
 [Download PDF Conceptual Structure in Childhood and Adolescence: The Case of Everyday Physics \(Hardback\)](#)

You May Also Like



I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book (Paperback)

Heinemann Educational Books, United States, 2015. Paperback. Book Condition: New. 234 x 185 mm. Language: English . Brand New Book. It s vital that we support young children s reading in ways that nurture healthy...

[Read ePub »](#)



Music for Children with Hearing Loss: A Resource for Parents and Teachers (Paperback)

Oxford University Press Inc, United States, 2014. Paperback. Book Condition: New. 228 x 156 mm. Language: English . Brand New Book. Written by an expert in the field who is both a teacher and a...

[Read ePub »](#)



Oxford Very First Dictionary (Paperback)

Oxford University Press, United Kingdom, 2012. Paperback. Book Condition: New. Georgie Birkett (illustrator). 234 x 182 mm. Language: English . Brand New Book. A fully illustrated alphabetical first dictionary for 4-5 year-olds. A fresh new...

[Read ePub »](#)



Oxford First Illustrated Maths Dictionary (Paperback)

Oxford University Press, United Kingdom, 2013. Paperback. Book Condition: New. 234 x 180 mm. Language: English . Brand New Book. The Oxford First Illustrated Maths Dictionary supports the curriculum and gives your child a head...

[Read ePub »](#)



Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English] (Paperback)

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

[Read ePub »](#)