

Annotated Bibliography

Brau, B., Fox, & Robinson, E. (2017). *The Student's Guide to Learning Design and Research*. Edtech Books. Retrieved February 4, 2023, from <https://edtechbooks.org/studentguide/behaviorism>

A reference guide for students written by graduate students. The copyright is under a CC license so that you can use as long as you give proper credit.

Bruner, J. (1969). *Going Beyond the Information Given*. New York: Norton.

This book is a gathering of Bruner's major papers on the psychology of knowing. This will be invaluable not only for students of psychology, but also for teachers, sociologists, and all who are interested in child development.

Harapnuik. (n.d.). *It's About Learning: Learning Philosophy*. <https://www.harapnuik.org/>.

Retrieved January 28, 2023, from https://www.harapnuik.org/?page_id=95

A website by Dr. Dwayne Harapnuik, professor of the Applied Digital Learning program with Lamar University, Beaumont, Texas. This site contains a wealth of resources for the ADL program as well as learning theories, including CLSE+COVA.

Kamii, C. (1982). *Number in Preschool and Kindergarten: Educational Implications of Piaget's Theory*. Nat'l Association for the Education of Young Children.

This booklet focuses on how the kindergarten and preschool teacher can use Piaget's theory in a practical way. The author discusses four mathematical topics: the nature of number, objectives of teaching number, principles of teaching number, and situations in school that the teacher can use to teach number. A discussion of Piaget's theory and how to apply it to the teaching of arithmetic in preschool and kindergarten is included in the appendix.

Mascolo, M. F., & Fischer. (2005). *Constructivist Theories*, Cambridge Encyclopedia of

Child Development. Cambridge University Press.

The Cambridge Encyclopedia of Child Development is an up-to-date account of all aspects of child development. It is written by a team of leading experts in the field.

Michela, E. (2018). *Cognitivism, The Student's Guide to Learning Design and Research*.

EdTech Books. Retrieved February 4, 2023, from

<https://edtechbooks.org/studentguide/cognitivism>

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Ojose, B. (2008). Applying Piaget's Theory of Cognitive Development to Mathematical Instruction. *The Mathematics Educator*, 18(1).

This paper is based on a presentation given at National Council of Teachers of Mathematics (NCTM) in 2005. It explains the developmental stages of the child as researched by Piaget. The author ties each of the stages to developmentally appropriate mathematics instruction. The author explains the importance of not imposing unfamiliar ideas on the child and stresses peer interactions.

Piaget, J. (1968). *Six Psychological Studies* (Anita Tenzer, Trans.). New York: Vintage Books.

This book contains six essay by Piaget that are translated to English from French. They are a summary of his work and contains his pioneering methods and theories have paved the way for the theories of when and how children are able to grasp and assimilate new ideas and information. This book contains an index for research.

Schunk, D. H. (2008). *Learning Theories in Education*. Pearson Education, Inc.

Learning Theories introduces you to key theoretical principles, concepts, and research findings of learning and how to apply them as educators. It examines the relationship between theory and instruction, and discusses the major theories of and key topics related to learning.

Shuell, T. J. (n.d.). Cognitive Conceptions of Learning. *Review of Educational Research*, 56, 411–436. <https://doi.org/10.3102/00346543056004411>

This article examines current thinking about learning within the framework of cognitive psychology and how a new, cognitive conception of learning can guide future research on both learning and instruction.

TEDx Talks. (2019, June 28). *Education Reimagined Through Constructivism* [Video].

YouTube. Retrieved February 4, 2023, from

<https://www.youtube.com/watch?v=XVMyHt5ULUA>

Michelle Thompson shares the stories, history, and research around the constructivism educational philosophy.

Vygotsky, L. S. (1974). *Mind in Society: the Development of Higher Psychological Processes*. Harvard University Press.

This book is a collection of essays where he outlines his theory of cognitive development. This book he applies his theory to the development of perception, attention, memory, language, and play and how it has implications for education.

What is Montessori Education? (n.d.). Montessori Education. Retrieved February 4, 2023, from <https://montessori-nw.org/about-montessori-education>

This is a website that explains the research and theory behind Maria Montessori's educational theories based in Constructivism.

