

Innovative Learning Guide for Chocolate Chip Cookie Factory: Place Value

Published on 08/28/12

Vertical Learning Labs is proud to announce its innovative and in-depth learning guide for its first educational math game, *Chocolate Chip Cookie Factory: Place Value*. This learning guide is designed to help parents and teachers guide children through the discovery process as they explore, develop, apply, and discuss place value concepts together. The guide features background on educational theory, detailed learning progressions, extension activities, and relevant common core math standards.

Acton, Massachusetts - Vertical Learning Labs is proud to announce its innovative and in-depth learning guide for its first educational math game, *Chocolate Chip Cookie Factory: Place Value*. This learning guide is designed to help parents and teachers guide children through the discovery process as they explore, develop, apply, and discuss place value concepts together. Available online, the learning guide features:

- * Background educational theory on constructivism and vertical learning
- * Detailed learning progressions for learning multi-digit addition, subtraction, multiplication, and division
- * Extension activities using hundreds charts, pattern blocks, visual representations, and place value columns
- * Blackline masters
- * Parallels between game strategies and standard paper-and-pencil algorithms
- * A list of the common core math standards addressed

Chocolate Chip Cookie Factory: Place Value, available on the App Store for Apple's revolutionary iPad device, immerses children in a world of cookies, stacks, boxes, cartons, crates, pallets, and trucks as they work to fulfill and deliver increasingly complex cookie orders. While it can be simply a fun game that engages children and gets them to practice their math facts, *Chocolate Chip Cookie Factory: Place Value* can also help kids explore, develop, and apply place value concepts... building a foundation for adding, subtracting, multiplying, and dividing multi-digit numbers later in the classroom.

The game includes a practice mode where an adult and a child (or two children on their own) can sit down to share, discuss, and experiment with new strategies together. This practice mode turns off the game's clock and gives the player unlimited time to solve the problems and clear a round. Because parents are often uncertain about how much guidance to give a child during the discovery process, the learning guide lays out simple, scaffolded learning progressions that parents and teachers can use to guide a child toward conceptual understanding without telling the child what to do and depriving him or her of a rich learning experience. The extension activities enable teachers to integrate the game into classroom instruction.

While hands-on discovery is crucial in the learning process, so is building and testing theories and practicing other metacognitive skills. This learning guide is the first in a series of products from Vertical Learning Labs based on the principles of vertical learning that is designed to transform education and enable children to become active learners and to build powerful schemas for understanding and navigating the world around them.

Device Requirements:

- * Compatible with iPad
- * Requires iOS 4.3 or later
- * 4.9 MB

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Pricing and Availability:

Download Chocolate Chip Cookie Factory: Place Value 1.1 is \$1.99 USD (or equivalent amount in other currencies) and available worldwide exclusively through the App Store in the Games category.

Vertical Learning Labs:

<http://www.verticallearning.org>

Chocolate Chip Cookie Factory: Place Value 1.1:

<http://itunes.apple.com/app/chocolate-chip-cookie-factory/id548563789>

Learning Guide:

<http://www.verticallearning.org/app/cccfpv/page/view/learning.html>

Moms With Apps Review:

<http://momswithapps.com/2012/08/20/extending-the-educational-experience-beyond-the-app/>

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David Ng
Chief Learning Officer

dng@verticallearning.org

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