

## Using Investigations to Teach the Common Core State Standards at Kindergarten

*Investigations* is a focused and coherent K-5 curriculum, intentionally designed and sequenced to promote a deep understanding of mathematics. The curriculum units at each grade level represent a cohesive whole, not separate parts. Each successive unit builds on the previous unit, both within and across strands, and across grades. The geometry and measurement, data, and patterns and functions units focus on foundational mathematical ideas and practices and also support work in the number and operations units. By teaching the *Investigations* curriculum as written, students go deeply into mathematical practices and content.

**The CCSS in Kindergarten.** Most of the CCSS content standards are met by teaching the Kindergarten units, in order, as is. *Investigations and the Common Core State Standards at Kindergarten* provides new content so that all standards are covered.<sup>1</sup> In most cases, these Standards are also addressed by existing material in the *Investigations* curriculum. New activities and Sessions build on what is in the curriculum to introduce new ideas or extend existing ones. New Math/Teaching Notes, Classroom Routines, and pages for additional practice address language, vocabulary, notation, or levels of fluency specific to the CCSS.

## **Additional Content That Extends the Mathematics in Investigations Grade K**

Math Idea(s) <sup>2</sup>	CCSS Standard	Additional Content	Unit
Count up to 100, and from numbers other than 1.	K.CC.1-2	1 Session Classroom Routine: <i>Counting on the Number Line</i>	6 6-7
Count by 10's.	K.CC.1	1 Session Classroom Routine: <i>Attendance</i>	7 7
Find the number that makes 10 when added to a given single-digit number.	K.OA.4	1 Investigation (5 Sessions)	6
"Fluently add and subtract within 5."	K.OA.5		
"Compose and decompose numbers from 11-19"; understand these numbers as ten ones and 1-9 ones. Write and use the numerals to 20 to represent quantities.	K.NBT.1 K.CC.3		
Understand weight as a measurable attribute and compare the weights of objects.	K.MD.1-2	3 Sessions	4
Understand words that describe relative position.	K.G.1	Teaching Notes Classroom Routine: <i>Attendance: Counting Around the Circle</i>	1, 3-5 2
"Correctly name shapes regardless of their orientations or overall size."	K.G.2	Teaching Notes	5
Identify shapes as two-dimensional and three-dimensional.	K.G.3	Teaching Note	5

<sup>1</sup> All the necessary information and materials are included in *Investigations and the Common Core State Standards*. For more information, see: [http://assets.pearsonschool.com/asset\\_mgr/current/20119/InvestigationsCCBrochure.pdf](http://assets.pearsonschool.com/asset_mgr/current/20119/InvestigationsCCBrochure.pdf).

<sup>2</sup> These ideas, which paraphrase the CCSS Standards, may reflect only a portion of one standard, or several standards combined.

**Pacing in Kindergarten.** Most of the CCSS content standards are met by teaching the Kindergarten units, in order, as written. *Investigations and the Common Core State Standards at Kindergarten* includes 10 new Sessions which are incorporated into the seven original units.

Unit	Original # of Sessions	New Sessions	Sessions to be Omitted	Total # of Sessions
1	18			18
2	24			24
3	22			22
4	26	3 (K.MD.1-2)		29
5	20			20
6	26	6 (K.CC.1-2, K.CC.3, K.NBT.1, K.OA.4-5)		32
7	17	1 (K.CC.1)		18
	<b>153</b>	<b>10</b>		<b>163</b>