Math+ Orange Common Core Information for Teachers

K[12] has revised Math+ Orange to align the course with Common Core State Standards (CCSS). To do this, we added new, Common Core-aligned activities to existing lessons. We also we created an appendix of new lessons and lessons from other Math+ courses that meet CCSS.

What you need to know about this course:
- We did not reprint and ship new Lesson Guides or Activity Books. New and revised Lesson Guide and Activity Book pages are available online only. See the *What to Print?* column below to know what new or revised pages need to be printed.
- Original Math+ Orange lessons with added activities will take longer to complete than they did before.
- It is possible that students will have already seen content pulled from earlier Math+ courses, or they might see some content again in a later course.
- Unit and Semester Reviews and Checkpoints have not been updated to include lessons from the Appendix or new activities. They cover lessons from the original Math+ Orange course.

How to use the lesson list:
- Use the lesson list to integrate the CCSS lessons in the Appendix into the Math+ Orange course.
- Check the *What's New?* and *What to Print?* columns for additional information about what is new or revised and what new or revised documents need to be printed.
- The units listed below may be in a different order in your math course if your school uses an alternate sequence of units. You may want to add the applicable unit numbers to the first column to make it easier for your individualized use.

Lesson List

Unit: Numbers Through 500			
	Lesson Title	**What's New?**	**What to Print?**
	1: Count Aloud Through 500		
	2: Read Whole Numbers Through 500		
	3: Write Numerals Through 500		
	4: Identify Place Value		
	5: Use Expanded Form: Numbers Through 500		
	6: Model Addition Problems		
**	*Appendix Lesson* 1.1: Addition Facts	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
	7: Place Value and Regrouping		
	8: (Optional) Your Choice		
	9: Compare Numbers Through 500		
	10: Comparing and Ordering		
	11: Order Whole Numbers Through 500		
	12: Read Number Words Through 500		
**	*Appendix Lesson* 1.2: Odd and Even Numbers	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*

	13: Unit Review		
	14: (Optional) Your Choice		
	15: Unit Checkpoint		

Unit: Time and Money

	Lesson Title	What's New?	What to Print?
	1: Time to the Nearest Quarter Hour		
	2: Time Relationships		
**	*Appendix Lesson* 1.3: Time to the Nearest 5 Minutes	*New Lesson*. Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
	3: Elapsed Time		
	4: (Optional) Your Choice		
	5: Find the Value of Coins or Bills		
	6: Dollar and Cent Symbols for Money		
	7: Decimal Notation for Money		
	8: Fewest Bills and Coins		
	9: How Much Money?		
	10: Unit Review		
	11: Unit Checkpoint		

Unit: Add, Subtract, Number Composition

	Lesson Title	What's New?	What to Print?
	1: Addition and Subtraction		
	2: Addition Computation Through 500	New activity gives students the opportunity to explain why the place-value strategy they are using actually works.	*Lesson Guide* and *Activity Page: Modeling Addition with Base-10 Blocks* and *Place-Value Chart (Hundreds)*
**	*Appendix Lesson* 1.4: Add Three Numbers	*New Lesson*. Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
**	*Appendix Lesson* 1.5: Add Four Numbers	*New Lesson*. Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
**	*Appendix Lesson* 1.6: Subtraction Facts	*New Lesson*. Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
	3: Finding the Difference	New activity gives students the opportunity to explain why the place-value strategy they are using actually works.	*Lesson Guide* and *Activity Page: Modeling Subtraction with Base-10 Blocks* and *Place-Value Chart (Hundreds)*
	4: Subtraction and the Equals Symbol		
	5: (Optional) Your Choice		
	6: Decompose Numbers		
	7: Make and Break Numbers		
	8: Break Up Numbers		
	9: (Optional) Your Choice		
	10: Breaking Numbers to Subtract		
	11: Decompose to Subtract	New activity gives students the opportunity to explain why the place-value strategy they are using actually works.	*Lesson Guide* and *Activity Page: Subtract by Breaking Apart Numbers*
	12: Choose Friendly Numbers		
	13: Unit Review		
	14: (Optional) Your Choice		

	Lesson Title	What's New?	What to Print?
	15: Unit Checkpoint		

Unit: Inverse Operations: Add and Subtract

	Lesson Title	What's New?	What to Print?
	1: Opposite Operations: + and -		
	2: Mental Math: Addition and Subtraction		
	3: Strategies to Add & Subtract Through 500	New activity gives students the opportunity to explain why the place-value strategy they are using actually works.	*Lesson Guide* and *Activity Page: Add by Breaking Apart Numbers*
	4: Subtraction Strategies Up Through 500	New activity gives students the opportunity to explain why the place-value strategy they are using actually works.	*Lesson Guide* and *Activity Page: More Subtraction by Breaking Apart Numbers*
	5: Addition and Subtraction Are Related		
	6: Unit Review		
	7: (Optional) Your Choice		
	8: Unit Checkpoint		

Unit: Measurement

	Lesson Title	What's New?	What to Print?
	1: Inches	New activity gives students the opportunity to measure inches with a ruler, a yardstick, and a measuring tape and also includes hints for helping students select the correct scale when using a dual-scale ruler.	*Lesson Guide* and *Activity Page: Measure Inches Using Different Tools*
	2: Centimeters	New activity gives students the opportunity to measure centimeters with a ruler, a meter stick, and a measuring tape and also includes hints for helping students select the correct scale when using a dual-scale ruler.	*Lesson Guide* and *Activity Page: Measure Centimeters Using Different Tools*
**	*Appendix Lesson* 1.7: Feet and Meters	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
	3: (Optional) Your Choice		
	4: Estimate Length		
	5: Compare Measurements	New activity gives students the opportunity to use drawings of rulers in both measurement systems, and equations with a symbol for the unknown number, to represent a problem.	*Lesson Guide* and *Activity Page: Add and Subtract Lengths*
**	*Appendix Lesson* 1.8: Measure Lengths in Different Units	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
**	*Appendix Lesson* 1.9: Lengths on a Number Line	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
	6: Capacity		
	7: Unit Review		
	8: (Optional) Your Choice		
	9: Unit Checkpoint		

Unit: Add or Subtract: Problem Solving

	Lesson Title	What's New?	What to Print?
	1: Addition Problem-Solving Strategies		

	Lesson Title	What's New?	What to Print?
	2: Subtraction Problem Solving		
	3: Modeling Story Problems		
	4: (Optional) Your Choice		
	5: Problem Solving		
	6: Problem Solving with Combining		
	7: Problem Solving with Change		
	8: Solve Change Story Problems		
	9: (Optional) Your Choice		
	10: Compare to Solve Story Problems		
	11: Compare Amounts to Solve Problems		
	12: Make Equal Amounts to Solve Problems		
	13: Equalize Story Problems		
	14: Unit Review		
	15: (Optional) Your Choice		
	16: Unit Checkpoint		

Unit: Problem Solving: Reason and Connect

	Lesson Title	What's New?	What to Print?
	1: Story Problems		
	2: More Story Problems		
	3: Problem Solving: Answer Check		
	4: (Optional) Your Choice		
	5: Explain Problem Solutions		
	6: Justify Procedures Selected		
	7: Justify Solutions		
	8: (Optional) Your Choice		
	9: Create Story Problems		
	10: Make Your Own Story Problems		
	11: Similar Story Problems		
	12: Classify Story Problems		
	13: Different Kinds of Problems		
	14: Unit Review		
	15: (Optional) Your Choice		
	16: Unit Checkpoint		

Unit: Semester Review and Checkpoint

	Lesson Title	What's New?	What to Print?
	1: Semester Review		
	2: (Optional) Your Choice		
	3: Semester 1 Checkpoint		

Unit: Numbers Through 1,000

	Lesson Title	What's New?	What to Print?
	1: Count Aloud Through 1,000		
	2: Read Numbers Through 1,000		
	3: Write Number Words Through 1,000		
	4: Represent Numbers Through 1,000		
	5: Work with Numbers Through 1,000		

	Lesson Title	What's New?	What to Print?
**	*Appendix Lesson* 1.10: Count by 5s, 10s, and 100s Through 1,000	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
	6: Model Numbers Through 1,000		
	7: (Optional) Your Choice		
	8: Place Value Through 1,000		
	9: Standard to Expanded Form		
	10: Expanded to Standard Form		
	11: Compare and Order Numbers		
	12: Unit Review		
	13: (Optional) Your Choice		
	14: Unit Checkpoint		

Unit: Plane and Solid Figures

	Lesson Title	What's New?	What to Print?
	1: Plane Figures		
**	*Appendix Lesson* 1.11: Count the Squares	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
	2: Solid Figures		
	3: Build and Take Apart Shapes		
	4: Unit Review		
	5: (Optional) Your Choice		
	6: Plane and Solid Figures		

Unit: Add or Subtract Numbers Through 1,000

	Lesson Title	What's New?	What to Print?
	1: Sums and Differences		
	2: Add or Subtract Numbers Through 1,000		
	3: Compare and Equalize Problems		
	4: (Optional) Your Choice		
	5: Write Sentences for Story Problems		
	6: Find Similarities and Differences		
	7: Check Story Problem Solutions		
	8: Explain Operations to Solve		
	9: Choose the Problem		
	10: Unit Review		
	11: (Optional) Your Choice		
	12: Unit Checkpoint		

Unit: Multiplication and Number Patterns

	Lesson Title	What's New?	What to Print?
	1: Model Multiplication with Arrays		
	2: Repeated Addition and Grouping		
	3: Model and Solve Multiplication		
	4: Linear Patterns		
	5: Number Patterns		
	6: (Optional) Your Choice		
	7: Represent Multiplication		
	8: Multiply by 2		
	9: (Optional) Your Choice		
	10: Multiplication: 2s Facts		

	Lesson Title	What's New?	What to Print?
	11: Multiply by 10		
	12: Multiplication: 10s Facts		
	13: Multiply by 5		
	14: Multiplication: 5s Facts		
	15: Unit Review		
	16: (Optional) Your Choice		
	17: Unit Checkpoint		

Unit: Multiplication and Addition Properties

	Lesson Title	What's New?	What to Print?
	1: Multiplication Order and Rules		
	2: The Commutative Property		
	3: The Associative Property		
	4: Use Properties		
	5: Unit Review		
	6: (Optional) Your Choice		
	7: Unit Checkpoint		

Unit: Introduction to Division

	Lesson Title	What's New?	What to Print?
	1: Division as Repeated Subtraction		
	2: Division with Repeated Subtraction		
	3: Division with Equal Sharing		
	4: Equal Share Division		
	5: Represent Division		
	6: Remainders in Division		
	7: Unit Review		
	8: (Optional) Your Choice		
	9: Unit Checkpoint		

Unit: Data Representations and Analysis

	Lesson Title	What's New?	What to Print?
	1: Display Data		
**	*Appendix Lesson* 1.12: Measurements on a Line Plot (A)	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
**	*Appendix Lesson* 1.13: Measurements on a Line Plot (B)	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
	2: Data Questions		
	3: Use Data to Solve Problems		
	4: Range and Mode of Data Sets		
	5: Unit Review		
	6: (Optional) Your Choice		
	7: Unit Checkpoint		

Unit: Introduction to Fractions

	Lesson Title	What's New?	What to Print?
	1: Fractional Parts of a Whole		
	2: Fractional Parts of a Group		
	3: (Optional) Your Choice		
	4: Fractional Relationships		

	Lesson Title	What's New?	What to Print?
	5: Fractional Parts and 1 Whole		
	6: Fractions and Whole Numbers		
	7: Fractions and Mixed Numbers		
	8: (Optional) Your Choice		
	9: Model and Compare Fractions		
	10: Equivalent Fractions		
	11: Unit Review		
	12: Unit Checkpoint		
Unit: Semester Review and Checkpoint			
	Lesson Title	**What's New?**	**What to Print?**
	1: Semester Review		
	2: (Optional) Your Choice		
	3: Semester Checkpoint		
**	*Appendix Lesson* 1.14: Read and Write Numerals Through 10,000	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
**	*Appendix Lesson* 1.15: Write Number Words Through 10,000	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
**	*Appendix Lesson* 1.16: Numbers in Expanded Form	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
**	*Appendix Lesson* 1.17: Construct Numbers to 10,000 (A)	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*
**	*Appendix Lesson* 1.18: Construct Numbers to 10,000 (B)	*New Lesson.* Find lesson online in Math+ Orange Common Core Appendix course.	*Lesson Guide* and all *Student Activity pages*