2020-2021 K-6 Curriculum Overview
STEAM

This curriculum overview document identifies the main topics that will be taught throughout the year, and across the grade levels, in the subject areas of math and science. The teaching of mathematics in the elementary program at the Wappingers Central School District follows the philosophies and practices of Singapore Math. Our District's primary resources for implementing math instruction are the Math In Focus Program and Greg Tang Math. Our District's primary resource for science is the Science 21 curriculum created and distributed by Putnam Northern Westchester BOCES.

__Kindergarten__

Date	Math	Science
Sept-Nov Weeks 1-9	Unit 1: Know Number Names and The Count Sequence	Unit 1: Weather and Climate
Nov - Jan Week 10-16	Unit 2: Count to Tell the Number of Objects	Unit 2: Pushes and Pulls
Jan-Feb Weeks 17-22	Unit 3: Describe and Compare Measurable Attributes Classify Objects and Count the Number of Objects in Each Category	
Mar Weeks 23-25	Unit 4: Identify and Describe Shapes Analyze, Compare, and Compose Shapes	
Mar-Apr Weeks 26-29	Unit 5: Work with numbers 11-19 to gain foundations for place value	Unit 3: Environment
April-May Weeks 30-32	Unit 6: Compare Numbers	
May-June Weeks 33-40	Unit 7: Understanding Addition and Subtraction	

First Grade

Date	Math	Science
Sept-Oct **Weeks 1-4**	Unit 1: Counting and Representing Numbers	Unit 1: Space Systems: Patterns and Cycles The Sun, Moon, and Stars
Oct **Weeks 5-7**	Unit 2: Geometry	
Nov **Weeks 8-10**	Unit 3: Addition and Composing to 10	
Nov-Dec **Weeks 11-13**	Unit 4: Subtraction and Decomposing to 10	Unit 2: Waves: Light and Sound
Dec-Jan **Weeks 14-16**	Unit 5: Data	
Jan-Feb **Weeks 17-20**	Unit 6: Place Value	
Feb-Mar **Weeks 21-24**	Unit 7: Addition and Subtraction to 20	
Mar-Apr **Weeks 25-27**	Unit 8: Measurement	Unit 3: Structure, Function, and Information Processing
Apr **Weeks 28-30**	Unit 9: Addition with Regrouping	
May **Weeks 31-33**	Unit 10: Time	
May-June **Weeks 34-36**	Unit 11: Money	
June **Weeks 37-40**	Unit 12: Subtraction with Two Digit Numbers	

Second Grade

Date	Math	Science
Sep-Oct **Weeks 1-6**	Unit 1: Place Value Numbers to 1,000	Unit 1: Structure and Properties of Matter
Oct- Dec **Weeks 7-13**	Unit 2: Addition Up to 1,000	
Dec-Feb **Weeks 14-21**	Unit 3: Subtraction up to 1,000	Unit 2: Earth's Systems: Processes that Shape the Earth
Feb-Apr **Weeks 22-27**	Unit 4: Multiplication (2,5,10, 3 & 4)	
Apr **Weeks 28-29**	Unit 5: Measurement of Length (Metric and Customary)	Unit 3: Interdependent Relationships in Ecosystems: Animals, Plants and Their Environment
Apr-May **Weeks 30-33**	Unit 6: Money	
May-June **Weeks 34-35**	Unit 7: Time	
June **Weeks 36-37**	Unit 8: Graphs and Line Plots	
June **Weeks 38-40**	Unit 9: Geometry	

Third Grade

Date	Math	Science
		*The WCSD New York State Science Learning Standards Mini-Units are located on the WCSD Leading & Learning website
Sept-Oct Weeks 1-4	Unit 1: Place Value & Rounding	Unit 1: Forces and Interactions
Oct Weeks 5-7	Unit 2: Addition to 1,000	
Nov Weeks 8-11	Unit 3: Subtraction to 1,000	
Dec-Feb Weeks 12-20	Unit 4: Multiplication & Division	Unit 2: Interdependent Relationships in Ecosystems
Feb Weeks 21-22	Unit 5: Graphing (Bar & Picture Graphs)	
Mar Weeks 23-26	Unit 6: Fractions	Unit 3: Weather and Climate
Apr Weeks 27-28	Unit 7: Measuring Mass & Volume	
Apr Weeks 29-30	Unit 8: Time	
May Weeks 31-34	Unit 9: Area & Perimeter	Unit 4: Inheritance and Variation of Traits: Life Cycles and Traits
June Weeks 35-36	Unit 10: Measuring Length & Line Plots	
June Weeks 37-40	Unit 11: Geometry	

Fourth Grade

Date	Math	Science
Sept-Nov Weeks 1-9	Unit 1: Number and Operations in Base Ten -Addition and Subtraction	Unit 1: Organizing Ourselves for Doing Science [WCSD NYSSLS Mini-Unit: Waves: Waves and Information](#)
Nov-Jan Weeks 10-17	Unit 2: Number and Operations in Base Ten -Multiplication and Division	Complete Unit 1: Organizing Ourselves for Doing Science Unit 2: Digestion, Nutrients, Food Chains, and Food Webs [WCSD NYSSLS Mini-Unit: Structure, Function and Information Processing](#)
Jan-Mar Weeks 18-26	Unit 3: Number and Operations -Fractions	Unit 3: Simple Machines
Apr-May Weeks 27-32	Unit 4: Geometry/Measurement and Data	[WCSD NYSSLS Mini-Unit: Energy Definitions](#)
May-June Weeks 33-37	Unit 5: Number and Operations - Fractions (Decimals)	Unit 4: Organization of the Earth (constructive and destructive forces, rocks, and minerals.)
June Weeks 38-40	Unit 6: Measurement and Data - Conversions	[Every Kid in the Park: Science Focused](#)

Fifth Grade

Date	Math	Science
Sept-Dec Weeks 1-12	Unit 1: Number and Operations in Base Ten Understanding Place Value System including Decimals, Multiplication and Division of Whole Numbers, Operations and Algebraic Thinking (Expressions and Order of Operations)	Unit 1: Interactions of Chemical Matter WCSD NYSSLS Mini-Unit: Conservation of Matter
Dec-Jan Weeks 13-17	Unit 2: Number and Operations - Fractions (Addition and Subtraction)	Unit 2: Interactions in the Micro-world
Jan-Feb Weeks 18-22	Unit 3: Number and Operations - Fractions (Multiplication and Division)	WCSD NYSSLS Mini-Unit: Matter and Energy in Organisms
Mar Weeks 23-26	Unit 4: Number and Operations in Base Ten (Decimal Operations)	Unit 3: Interactions in the Human Body
Apr-May Weeks 27-33	Unit 5: Measurement and Data/Geometry	WCSD NYSSLS Mini-Unit: Earth's Gravitational Force
May-June Weeks 34-40	Unit 6: Operations and Algebraic Thinking (Patterns and Relationships) Geometry (Graphing Points on the Coordinate Plane)	Unit 4: Interactions in the Environment - Energy Transfer WCSD NYSSLS Mini-Unit: Humans and Earth's Systems

Sixth Grade

Date	Math	Science
Sept-Oct Weeks 1-7	Unit 1: The Number System - Multiply and Divide Fractions (Factors and Multiples)	Unit 1: Energy, Forces, and Motion
Nov-Dec Weeks 8-12	Unit 2: The Number System-Positive and Negative Numbers	
Dec-Feb Weeks 13-20	Unit 3: Ratios and Proportional Relationships	Unit 2: Space Systems Exploration
Feb-Mar Weeks 21-26	Unit 4: Expressions and Equations	
Apr-May Weeks 27-33	Unit 5: Geometry	Unit 3: Ecosystems and Their Interactions
May-June Weeks 34-37	Unit 6: Statistics and Probability (Variability and Distribution)	
June Weeks 38-40	Unit 7: Statistics and Probability (Chance and Probability)	