KINDERGARTEN		
Standard	Suggested Manipulatives	
NY-K.CC.1-3: Know number names and count the sequence.	Counting Bears	
	Base Ten Blocks	
	Connecting Cubes	
	Number Lines	
	Ten Frames	
NY-K-CC.4-5: Count to tell the number of objects.	Counters	
	Ten Frames	
	Number Cubes	
	Base Ten Blocks	
	Connecting Cubes	
NY-K.CC.6-7: Compare numbers.	Ten Frames	
	Number Cubes	
	Connecting Cubes	
	Counting Bears	
	Two-Colored Counters	
NY-K.OA.1-5: Understand addition as putting together and adding to, and	Connecting Cubes	
understand subtraction as taking apart and taking from.	Counting Bears	
	Two-Colored Counters	
	Based Ten Blocks	
	Ten Frames	
NY-K.OA.6: Understand simple patterns.	Pattern Blocks	
·	Two-Colored Counters	
	Color Tiles	
	Connecting Cubes	
	Attribute Blocks	
NY-K-NBT.1: Work with numbers 11-19 to gain foundations for place value.	Base Ten Blocks	
	Ten Frames	
	Connecting Cubes	
	Number Lines	
	Counters	
NY-K.MD.1-2: Describe and compare measurable attributes.	Attribute Blocks	
	Pattern Blocks	
	Wooden Geometric Solids	
	Bucket Balance Scale	
	Connecting Cubes	
NY-K.MD.3-4: Classify objects and count the number of objects in each category.	Wooden Geometric Solids	
	Attribute Blocks	
	Pattern Blocks	
NY-K.G.1-3: Identify and describe shapes.	Wooden Geometric Solids	
	Attribute Blocks	
	Pattern Blocks	
NY-K.G.4-6: Analyze, compare, sort, and compose shapes.	Wooden Geometric Solids	
	Attribute Blocks	
	Pattern Blocks	

GRADE 1	
Standard	Suggested Manipulatives
NY-1.OA.1-2: Represent and solve problems involving addition and subtraction.	Ten Frames
	Connecting Cubes
	Counters
	Number Lines
	Base Ten Blocks
NY-1.OA.3-4: Understand and apply properties of operations and the relationship	Ten Frames
between addition and subtraction.	Connecting Cubes
	Counters
	Number Lines
	Base Ten Blocks
NY-1.OA.5-6: Add and subtract within 20.	Ten Frames
	Connecting Cubes
	Counters
	Number Lines
	Base Ten Blocks
NY-1.OA.7-8: Work with addition and subtraction equations.	Ten Frames
	Connecting Cubes
	Counters
	Number Lines
	Base Ten Blocks
NY-1.NBT.1: Extend the counting sequence (to 120).	Hundreds Charts
141 1.145111. Exteria the counting sequence (to 120).	Base Ten Blocks
	H-T-O Charts
	Abacus
	Connecting Cubes
NY-1.NBT.2-3: Understand place value.	Base Ten Blocks
141 1.145112 3. Officerstatia place value.	Counting Cubes
	Hundreds Charts
	H-T-O Charts
	Number Cubes
NY-1.NBT.4-6: Use place value understanding and properties of operations to add	Base Ten Blocks
and subtract.	Connecting Cubes
and Subtract.	Hundreds Charts
	H-T-O Charts
	Number Cubes
NY-1.MD.1-2: Measure lengths indirectly and by iterating length units.	Connecting Cubes
	Color Tiles
	Base Ten Blocks
	Dominoes
	Cuisenaire Rods
NY-1.MD.3: Tell and write time and money.	Clocks
	Money
NY-1.MD.4: Represent and interpret data.	Wooden Geometric Solids
INTELLIMINAL NEPTESETIL ATIU ITILET PTEL UALA.	Attribute Blocks
	Pattern Blocks
	Color Tiles
NV 1 C 1 2. Decempent the change and their attributes	Money Wooden Geometric Solids
NY-1.G.1-3: Reason with shapes and their attributes.	Attribute Blocks
	Pattern Blocks
	Fraction Circles

GRADE 2	
Standard	Suggested Manipulatives
NY-2.OA.1: Represent and solve problems involving addition and subtraction.	Base Ten Blocks
	Connecting Cubes
	Counters
	Hundreds Charts
	Number Lines
NY-2.OA.2: Add and subtract within 20.	Base Ten Blocks
	Connecting Cubes
	Counters Ten Frames
	Number Lines
NY-2.OA.3-4: Work with equal groups of objects to gain foundations for	Base Ten Blocks
multiplication.	Connecting Cubes
multiplication.	Counters
	Geoboards with Geobands
	Graphing Mats
NY-2.NBT.1-4: Understand place value.	Base Ten Blocks
	H-T-O Charts
	Connecting Cubes
	Hundreds Charts
	Dice
NY-2.NBT.5-9: Use place value understanding and properties of operations to add	Base Ten Blocks
and subtract.	H-T-O Charts
	Connecting Cubes
	Hundreds Charts
	Dice
NY-2.MD.1-4: Measure and estimate lengths in standard units.	Rulers
	Measuring Tape
	Yard Sticks
NY-2.MD.5-6: Relate addition and subtraction to length.	Number Lines
	Rulers
	Base Ten Blocks Connecting Cubes
	Counters
NY-2.MD.7-8: Work with time and money.	Clocks
141-2.1410.7-0. Work with time and money.	Money
NY-2.MD.9-10: Represent and interpret data.	Rulers
Tel Zillis 201 Represent una interpret uuta.	Number Lines
	Graphing Mats
	Connecting Cubes
	Unifix Cubes
NY-2.G.1-3: Reason with shapes and their attributes.	Geoboards with Geobands
	Wooden Geometric Solids
	Attribute Blocks
	Pattern Blocks
	Fraction Circles

GRADE 3	
Standard	Suggested Manipulatives
NY-3.OA.1-4: Represents and solve problems involving multiplication and division.	Counters Connecting Cubes Place Value Disks Abacus Base Ten Blocks
NY-3.OA.5-6: Understand properties of multiplication and the relationship between multiplication and division.	Counters Connecting Cubes Place Value Disks Abacus Base Ten Blocks
NY-3.OA.7: Multiply and divide within 100.	Counters Connecting Cubes Place Value Disks Abacus Base Ten Blocks
NY-3.OA.8-9: Solve problems involving the four operations, and identify and extend patterns in arithmetic.	Algebra Tiles Counters Connecting Cubes Number Lines Multiplication Charts
NY-3.NBT.1-4: Use place value understanding and properties of operations to perform multi-digit arithmetic.	Hundreds Chart Base Ten Blocks Place Value Disks H-T-O Charts Money
NY-3.NF.1-3: Develop understanding of fractions as number.	Fraction Circles Fraction Tiles Number Lines Rulers
NY-3.MD.1-2: Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.	Clocks Number Lines Bucket Balance Scales Metric Units of Mass Beakers
NY-3.MD.3-4: Represents and interpret data.	Graphing Mats Rulers Connecting Cubes Geoboards with Geobands
NY-3.MD.5-7: Geometric measurement: understand concepts of area and relate area to multiplication and to addition.	Graphing Mats Geoboard with Geobands Hundreds Charts Color Tiles Connecting Cubes
NY-3.MD.8: Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.	Graphing Mats Geoboard with Geobands Pattern Blocks
NY-3.G.1-2: Reason with shapes and their attributes.	Attribute Blocks Pattern Blocks Fraction Circles

GRADE 4	
Standard	Suggested Manipulatives
NY-4.OA.1-3: Use the four operations with whole numbers to solve problems.	Counters
	Connecting Cubes
	Place Value Disks
	Abacus
	Base Ten Blocks
NY-4.OA.4: Gain familiarity with factors and multiples.	Counters
	Connecting Cubes
	Abacus
	Base 10 Blocks
	Color Tiles
NY-4.OA.5: Generate and analyze patterns.	Connecting Cubes
	Base 10 Blocks
	Color Tiles
	Pattern Blocks
	Attribute Blocks
NY-4.NBT.1-3: Generate place value understanding for multi-digit whole numbers.	Hundreds Chart
NY-4.NB1.1-3: Generate place value understanding for multi-digit whole numbers.	Base Ten Blocks
	Place Value Disks
	H-T-O Charts
	Connecting Cubes
NY-4.NBT.4-6: Use place value understanding and properties of operations to	Base Ten Blocks
perform multi-digit arithmetic.	H-T-O Charts
	Connecting Cubes
	Hundreds Charts
	Dice
NY-4.NF.1-2: Extend understanding of fraction equivalence and ordering.	Fraction Circles
	Fraction Tiles
	Connecting Cubes
	Base Ten Blocks
	Ten Frames
NY-4.NF.3-4: Build fractions from unit fractions by applying and extending previous	Fraction Circles
understandings of operations on whole numbers.	Fraction Tiles
	Connecting Cubes
	Base Ten Blocks
	Ten Frames
NY-4.NF.5-7: Understand decimal notation for fractions, and compare decimal	Hundreds Charts
fractions.	Base Ten Blocks
	Connecting Cubes
	Number Lines
NY-4.MD.1-3: Solve problems involving measurement and conversion of	Ruler
measurements from a larger unit to a smaller unit.	Bucket Balance Scale
	Metric Units of Mass
	Clocks
	Money
NY-4.MD.4: Represent and interpret data.	Number Lines
	Rulers
	Fraction Tiles
NY.4.MD.5-7: Geometric measurement: understand concepts of angles and	Protractors
measure angles.	Geoboards with Geobands
	Pattern Blocks
NY.4.G.1-3: Draw and identify lines and angles, and classify shapes by properties of	Protractors
their lines and angles.	Geoboards with Geobands
	Pattern Blocks

GRADE 5		
Standard	Suggested Manipulatives	
NY-5.OA.1-2: Write and interpret numerical expressions.	Place Value Disks	
	Connecting Cubes	
	Counters	
	Base Ten Blocks	
NY-5.OA.3: Analyze patterns and relationships.	Base Ten Blocks	
	Hundreds Charts	
	Place Value Disks	
	Connecting Cubes	
NY-5.NBT.1-4: Understand the place value system.	Place Value Charts	
	Fraction Tiles	
	Connecting Cubes	
	Base Ten Blocks	
NY-5.NBT.5-7: Perform operations with multi-digit whole numbers and with	Place Value Charts	
decimals to hundredths.	Connecting Cubes	
	Hundreds Charts	
	Abacus	
NY-5.NF.1-2: Use equivalent fractions as a strategy to add and subtract fractions.	Fraction Tiles	
	Fraction Circles	
	Connecting Cubes	
NY-5.NF.3-7: Apply and extend previous understandings of multiplication and	Fraction Tiles	
division to multiply and divide fractions.	Fraction Circles	
	Connecting Cubes	
NY-5.MD.1: Convert like measurement units within a given measurement system.	Rulers	
NY-5.MD.2: Represent and interpret data.	Number Lines	
	Rulers	
	Fraction Tiles	
	Beakers	
NY.5.MD.3-5: Geometric measurement: understand concepts of volume and relate	Base Ten Blocks	
volume to multiplication and to addition.	Connecting Cubes	
NY-5.G.1-2: Graph points on the coordinate plane to solve real-world and	Geoboards with Geobands	
mathematical problems.		
NY-5.G.3-4: Classify two-dimensional figures into categories based on their	Pattern Blocks	
properties.	Geoboards with Geobands	

My Math Manipulative Kit Lists

Grade K		
Attribute Blocks	Number Cube, Red – Numbers 0-5	
Bucket Balance Scale	Number Cube, Blue – Numbers 5-10	
Blank Cubes with Labels	Pattern Blocks	
Classroom Dial Spinner	Student Clocks	
Color Tiles	Two-Colored Counters	
Connecting Cubes	Two-Sided Graphing Mat	
Demonstration Clock	Wooden Geometric Solids	

Grades 1-2		
Attribute Blocks	Geoboards with Geobands	
Base Ten Blocks – Cubes	Money – Dollar Bills	
Base Ten Blocks – Flats	Money – Quarters	
Base Ten Blocks – Rods	Money – Dimes	
Base Ten Blocks – Units	Money – Nickels	
Bucket Balance Scale	Money – Pennies	
Classroom Dial Spinner	Number Cube, Red – Numbers 0-5	
Color Tiles	Number Cube, Blue – Numbers 5-10	
Connecting Cubes	Pattern Blocks	
Demonstration Clock	Student Clocks	
Fraction Circles	Two-Color Counters	
Fraction Tiles	Wooden Geometric Solids	

Grades 3-5		
Base Ten Blocks – Cubes	Geoboards with Geobands	
Base Ten Blocks – Flats	Metric Units of Mass	
Base Ten Blocks – Rods	Money – Dollar Bills	
Base Ten Blocks – Units	Money – Quarters	
Blank Cubes with Labels	Money – Dimes	
Bucket Balance Scale	Money – Nickels	
Classroom Dial Spinner	Money – Pennies	
Color Tiles	Pattern Blocks	
Connecting Cubes	Place Value Disks	
Demonstration Clock	Student Clocks	
Fraction Circles	Transparent Spinners	
Fraction Tiles	Two-Color Counters	

Additional Manipulative Options		
Abacus	Number Lines	
Algebra Tiles	Pop-lts	
Counting Bears	Playing Cards	
Cuisenaire Rods	Protractor	
Dice	Rekenreks	
Dominoes	Rulers	
H-T-O Charts	Ten Frame	
Hundreds Chart	Unifix Cubes	

Manipulatives Image Glossary

Abacus	Algebra Tiles	Attribute Blocks	Base Ten Blocks – Cubes
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Base Ten Blocks – Flats	Base Ten Blocks – Rods	Base Ten Blocks – Units	Blank Cubes with Labels
Bucket Balance Scale	Classroom Dial Spinner	Color Tiles	Connecting Cubes
Counting Bears	Cuisenaire Rods	Demonstration Clock	Dominoes
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Dice	Fraction Circles	Fraction Tiles	H-T-O Charts
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