

Preschool Math

Month / Year	Essential Questions	Content	Skills	Assessment
August				Teacher observations, informal assessments, projects, child demonstrations, small group activities, games
All skills are ongoing	Can you find the number on today's calendar?	Introduce calendar	Explores the purpose and use of calendars.	
	What are the days of the week?	Number recognition	Identify month, day of the week, and date. (Monday, September 19, 2008)	
	What days come before or after? (yesterday, today, tomorrow)	Data and Chance	Recognize special holidays, events, birthdays.	
			Graphing and tally	
			taking turns	
September	Can you find the card with the number 5?	Number recognition	Recognizes numbers 0-5.	
	Can children recognize numbers 1-5?	Numbers 0,1,2,3,4,5	Count by 10s to 100 (can use number chart or concrete materials).	
	Can you count to five?	Rote counting	Performs rote counting 1-5.	
	Can you give me three crayons, etc.?	Numeration	Counts 1-5 objects, actions, or sounds	
			Forms groups of 0-5 objects	
			Arranges groups of objects in one-to-one correspondence.	
			Count classmates, days of week, etc.	
			orally count different objects.	
October	Can you sort these items?	sorting	Children will sort items into two groups based on like characteristics.	
	How long/short is that?	measurement	Children will compare lengths using nonstandard units.	

All math skills are on-going. Progression within each content area is based on individual student readiness.

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			Encourage measuring and estimating	
	Which blocks are the same? Tell me why you put them together.	Patterns and functions	arrange blocks in a pattern explore attributes of blocks	
			Count using various counting and physical patterns. Look for patterns in surroundings. sort objects	
	What is that shape?	triangles and circles	create pictures using triangles and circles create shapes using play dough experiment with volume	
November	What number do you see on this card?	Number recognition 0-10 rote counting	Recognizes numbers 1-10 counts from 1-10 counts out objects 1-10	
			Fills containers with a specific number of objects Identifies small amounts of objects without counting.	
			Read numbers 1-10 and can hop the corresponding number of times. Fill cups with the same number of objects. Compare the size of objects and body parts.	
	Which is bigger?	size comparison		
	Which weighs more?	weight comparison	Weigh to objects to see which weighs more using a balance scale. balance a scale by adding or taking away objects.	
December	Can you put these numbers in order?	numeration	put numbers 1-10 in sequence order.	
	Which group has more?		identify which group has less or more. read numbers and count to play a board game.	

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			match number of objects to a number	
	Can you make a pattern?	Patterns	Make a pattern using colors.	
January	What happens if I add one more/less?	subtraction and addition by one	Children will identify what happens to a group of objects by adding one or taking one away.	
	What are these shapes?	squares and rectangles	Compare likenesses and differences between squares and rectangles. Make a picture using squares and rectangles. Use templates to draw shapes. Make symmetrical designs make shapes using blocks dipped in paint. Combine shapes to make designs.	
			Build block towers and decide which shape works best.	
February	Can you line up the straws shortest to longest?	comparing lengths	Compare and arrange small items of various lengths.	
	Can you make this picture?	pattern blocks	Child will use pattern blocks to create a picture. Generate patterns using pattern blocks Copy designs figure out sorting rule	
March	Do children recognize numbers 1-15	number recognition rote counting	recognize numbers 1-15 count to 15	
	Can you connect these dots to make a picture?		Connect dots to make a picture.	
	What are these called? (coins)	money	sort coins based on characteristics/size or color	

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			explore coins	
April	Can you find the coin that matches this coin?	money	Match like coins	
	What is your favorite color?	graphing	Make graph using child's favorite color/animal/etc. Children will graph objects.	
	Which color do most of the children like?	compare and contrast	compare and analyze graph	
May	Show me how high you can count.	rote counting		
	What can we make out of shapes?	geometry	review shapes make pictures using shapes find different shapes in the environment.	
	Can you build a tower like mine?	spacial perception	Child will build a tower that is like the teaches tower.	

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