

Kindergarten

KINDERGARTEN INSTRUCTIONAL OBJECTIVES

Students will be able to:

A. Number Sense/Numeration

VIS 1 & 2

1. Identify ordinals from first to fifth using concrete objects.
2. Count by rote and identify numbers from 1-31.
3. Identify, write and trace over numerals from 0-9.
4. Count objects and make sets of objects from 1-12.
5. Match objects using 1-1 correspondence
6. Identify similarities and differences based on shape, size and color.
7. Demonstrate first, middle and last.
8. Compare sets and numerals- more, less, same, as many as, one more, one less- from 1-9.

B. Number Facts-Addition & Subtraction

VIS 2 & 4

1. Add and subtract whole numbers using up to 10 concrete objects.
2. Identify whole group of objects whereby you take away from and add to the group.
3. Recognize the addition and subtraction signs and understand the concept of taking away and adding to.
4. Solve oral story problems.

C. Fractions Concept

1. Divide a set of 2,4,6 or 8 concrete objects into halves.
2. Recognize and understand the concept of whole and halves.

D. Measurement

1. Identify instruments used to measure time, length, weight and temperature.
2. Compare length, weight, area and volumes of objects using non-standard units (pencil length, hand span)

E. Time & Money

VIS 1 & 3

1. Recognize and name penny, nickel, dime and quarter.
2. Use pennies, nickels and dimes to show amounts to 12¢
3. Tell time to the hour using analog and digital clock.
4. Recite days of the week and months of the year in order.
5. Identify the dollar and cent sign.

F. Patterns/Geometry

1. Distinguish and identify a curve and a line segment.
2. Identify and name basic shapes.

G. Probability/Statistics

1. Make bar graph using 1-1 correspondence with concrete objects and realia.
2. Investigate probability of events with two possible outcomes

Learning Outcomes for Kindergarten

Students will be able to:

A. Number Sense/Numeration

VIS 1 & 2

1. Identify ordinals from first to fifth using concrete objects.

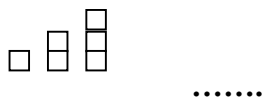
Ex. Give each child a string and five different colored buttons. As you name each color, have the students lace the appropriate button on the string

2. Count by rote and identify numbers from 1-31.
3. Identify, write and trace over numerals from 0-9.

Ex. Have students trace over the first row of dotted numbers. Then have them write the number.

4. Count objects and make sets of objects from 1-12.

Ex. Using interlocking cubes, make sets from 1-12



5. Match objects using 1-1 correspondence

Ex. Match objects one to one to establish the respective correspondence



6. Identify similarities and differences based on shape, size and color.

Ex. Using different objects, such as, teddy bears, stars, circles or butterflies, have students identify similarities or differences.



Similar



Different

7. Demonstrate first, middle and last.

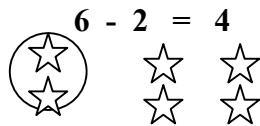
8. Compare sets and numerals- more, less, same, as many as, one more, one less- from 1-9.

B. Number Facts-Addition & Subtraction

VIS 2 & 4

1. Add and subtract whole numbers using up to 10 concrete objects.

Ex. Using manipulatives, have the students add or subtract different number values.



2. Identify whole group of objects whereby you take away from and add to the group.

3. Recognize the addition and subtraction signs and understand the concept of taking away and adding to.

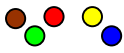
4. Solve oral story problems.

C. Fractions Concept


1. Divide a set of 2,4,6 or 8 concrete objects into halves.

Ex. Give each pair of students 10 M & M's and ask them to share them equally with a partner.

Child A

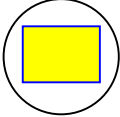
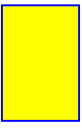


Child B



2. Recognize and understand the concept of whole and halves.

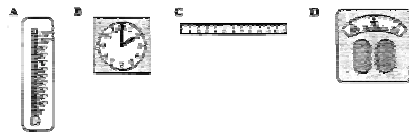
Ex. Have students draw a circle around the picture that represents one-half.

D. Measurement

1. Identify instruments used to measure time, length, weight and temperature.

Ex. Which of these instruments best measures each of the following?



- | | | | | |
|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| (a) Length | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| (b) Temperature | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| (c) Weight | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| (d) Time | a | b | c | d |

2. Compare length, weight, area and volumes of objects using non-standard units(pencil length, hand span)

E. Time & Money

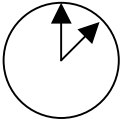
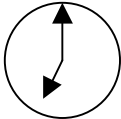
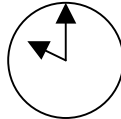
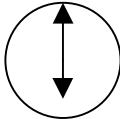
VIS 1 & 3

1. Recognize and name penny, nickel, dime and quarter.
2. Use pennies, nickels and dimes to 12¢.

Ex. Have students choose a coin from a cup and identify it. (pennies, nickels, dimes & quarters.)

3. Tell time to the hour using analog and digital clocks.

Ex. Students will use individual clocks to tell time to the hour.

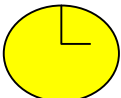



2 o'clock	7 o'clock	10 o'clock	6 o'clock
			

4. Recite days of the week and months of the year in order.
5. Identify the dollar and cent sign.









F. Patterns/Geometry

1. Distinguish and identify a curve and a line segment.
2. Identify and name basic shapes.

Ex. 1. Look at pictures of a (clock, wheel, window, yield sign and stamp. Have students name and identify shapes.

			
Clock	Window	Stamp	Yield Sign

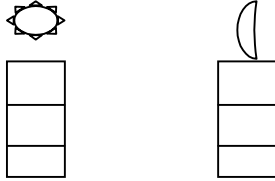
Ex. 2. Paste a paper cutout of a circle, square, rectangle and triangle on a large index card. Give each child a set of attribute blocks and have them match each block to the corresponding shape on the card.

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G. Probability/Statistics

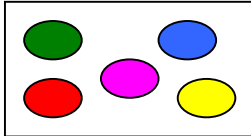
1. Make bar graph using 1-1 correspondence with concrete objects and realia.

Ex. Using 5 objects (3 of one and 2 of another). Have students color in boxes to match the amount of each set of objects.



2. Investigate probability of events with two possible outcomes

Ex. Using 5 counters and a container with different color on each side, shake containers containing the counters. Take out one counter at a time and color in the color on the worksheet.



KINDERGARTEN CHECKLIST	M- Mastered
	NI-Needs Improvement
1. Identify ordinals from first to fifth using concrete objects.	
2. Count by rote and identify numbers from 1-31.	
3. Identify, write and trace over numerals from 0-9.	
4. Count objects and make sets of objects from 1-12.	
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6. Identify similarities and differences based on shape, size and color.	
7. Demonstrate first, middle and last.	
8. Compare sets and numerals- more, less, same, as many as, one more, one less from 1-9.	
9. Add and subtract whole numbers using up to 10 concrete objects.	
10. Identify whole group of objects whereby you take away from and add to the group.	
11. Recognize the addition and subtraction signs and understand the concept of taking away and adding to.	
12. Solve oral story problems.	
13. Divide a set of 2,4,6 or 8 concrete objects into halves.	
14. Recognize and understand the concept of whole and halves.	
15. Identify instruments used to measure time, length, weight and temperature.	
16. Compare length, weight, area and volumes of objects using non-standard units(pencil length, hand span)	
17. Recognize and name penny, nickel, dime and quarter.	
18. Use pennies, nickels and dimes to show amounts to 12¢	
19. Tell time to the hour using analog and digital clock.	
20. Recite days of the week and months of the year in order.	
21. Identify the dollar and cent sign.	
22. Distinguish and identify a curve and a line segment.	
23. Identify and name basic shapes.	
24. Make bar graph using 1-1 correspondence with concrete objects and realia.	
25. Investigate probability of events with two possible outcomes	