DO FUN, HIGH-QUALITY MATH AT HOME!

We update the site regularly with new activities! Check back!

Our [LT]^2 tool is detailed and can be a challenge to navigate.

Here we give you some ideas to get started—you might try doing one level a week! But our learning trajectories honor children’s individuality. So, if your child finds activities a bit too easy, move right to the following level! Scroll to the topic you want.

Make sure you are signed in before you start.

CONTENTS
AGE 3  2

LEARNING TRAJECTORY: PATTERNING    2

Age 3 (continued)       3

LEARNING TRAJECTORY: SPATIAL VISUALIZATION  3

Age 4       4

LEARNING TRAJECTORY: COUNTING    4

Age 5       6

LEARNING TRAJECTORY: ADDING AND SUBTRACTING    6
AGE 3
A developmental commonality of most three years olds is to start asking “Why?” questions, try physical skills on their own, and communicate using their ever growing language skills. These are great skills to have when exploring Patterning and Spatial Visualization with common toys such as Pattern Blocks.

LEARNING TRAJECTORY: PATTERNING

**LEVEL: PATTERN RECOGNIZER**
Activities
1. Weaving Patterns
2. Movement Patterns
3. Clothes Patterns
4. Patterns in the Environment
5. Pattern Beat
6. Math Hopscotch
7. Let’s Talk about Patterns
8. I See A Pattern

**LEVEL: PATTERNER AB**
Activities
9. Playing in a Padded Area
10. Shape and Spatial Talk
11. Going for a Walk
12. Color Patterns
13. Color Cube Train
14. Child Patterns
15. What’s Missing
16. Pattern Strips
17. Pattern Fixer with Beads
18. Making Patterns with Beads
19. Make a Longer Pattern
20. Let’s Make a Pattern
21. Keep Swimming
22. Fill in the Pattern on the Snake
LEARNING TRAJECTORY: SPATIAL VISUALIZATION

**LEVEL: SIMPLE SLIDER**
Activities
1. Fixing Elevators

**LEVEL: SIMPLE TURNER**
Activities
2. Pattern Block Puzzlers
3. Picture It, then Turn, Turn, Turn
4. Putting the Pieces Together
AGE 4

Children at this age may show wide variation in skills. While some merely recite numbers, others are corresponding their recitation of numeral names to objects. Those further along the developmental progression accurately count items and some can even produce a number of items when asked for a specific amount. These activities are specifically geared to help children with Counting skills.

LEARNING TRAJECTORY: COUNTING

LEVEL: CORRESPONDER
Activities
1. Shake Them Up
2. Counting Wand
3. Simon Says
4. Scoops for Everyone
5. Ding Clink Bam
6. Rhythmic Counting

LEVEL: COUNTER (SMALL NUMBERS)
Activities
7. Mr. Mix Up
8. Five Little Fingers
9. Animal Spots
10. How Many in a Hand
11. Little Birds
12. How Many Do I Have (to 5)
13. Counting Cookie Chips to 5
14. Help the Turtle Get Home (Computer Activity)
15. Shopkeeper Sort and Label to 5

LEVEL: COUNTER (10)
Activities
16. Memory Match to 10
17. Knock it Down (to 10)
18. Beanbag Counting
19. Mr. Mix Up
20. Counting Jar
21. Mystery Boxes
22. How Many Do I Have (to 10)?
23. Concentration (Computer Activity)
24. AND MORE!!

**LEVEL: PRODUCER (SMALL NUMBERS)**

Activities
25. Number Path Race
26. Fill the Egg Cartons
27. Get Just Enough (Sets to 5)
28. Number Moves
29. Help the Turtle (Computer Activity)
30. Shopkeeper Fill Orders to 5

Explore Computer Games
AGE 5

As part of getting to know our website, you might notice that these skills that we often think of as traditionally done with paper and pencil can be strengthened through play in the early years. These early experiences provide conceptual understanding of what children may do on paper and pencil much later. Addition can also be thought of putting things together or joining sets by counting forward, while subtraction can be thought of as separating sets or counting backward.

LEARNING TRAJECTORY: ADDING AND SUBTRACTING

LEVEL: FIND RESULT

Activities

1. How Many More? Game
2. Big Fish Story
3. Find a Sum
4. Fruit Fun
5. Number Cube Equations – Introductions
6. How Many Toys?
7. Number Cubes Equations – Extensions

LEVEL: MAKE IT N

Activities

8. Make it Right (Make it N)
9. Mystery Change Game

LEVEL: FIND CHANGE

Activities

10. Addition Easel
11. Salute!

LEVEL: COUNTING STRATEGIES +/-

Activities

13. More Toppings
15. Dot to Dot!
16. Chip Stack