

Exploring Symmetry with LEGO Bricks

This is a neat activity to help reinforce the concept of symmetry - when two halves of an object are exactly the same in shape, size, and color. All you need for this activity is a green LEGO base and 2 sets of the same LEGO bricks.

Instructions: The parent will build half of a shape with one set of the LEGO bricks on the green base. Next, the child will take the other set of LEGO bricks and complete the other half of the shape, making sure that all pieces match perfectly with the first half.

Counting Syllables Using LEGO Bricks

This is a fun and different way to practice those sight words! All you need for this activity are LEGO bricks, index cards, a marker and your child's sight words.

How to Play: Write each of your child's sight words on a separate index card. Then, one at a time, have your child slowly sound out the word, placing a LEGO brick on top of the index card for each syllable. Now, have your child count the LEGO bricks and tell you how many syllables the word has!

For more LEGO Learning activities and other ways to encourage learning at home, please visit the Family Resource Center located in room 413!

Family Friendly LEGO Learning Activities To Do At Home



LEGOS are a great way to help make learning math more fun! But, did you know, LEGOs can also be used for other areas of learning as well! Now that you are a LEGO Math Legend, try out some of these other LEGO learning activities at home!

LEGO MEMORY GAME

This is a fun and simple way to get your brain working and help sharpen your memory skills! All you need for this game are a flat surface, LEGO bricks, and paper cups.

Game Setup: Count out 10 paper cups. Next, find 5 pairs of LEGO bricks. *Choose a variety of shapes, sizes, and colors*. Hide one LEGO under each cup, and then mix the cups all around.


Playing the Game: Player 1 turns over 2 cups. If the bricks match, they keep the pair. If they don't match, the player says the color and size (number of bumps on top) of the brick out loud. Then they place the cups back over the bricks and move on to the next player. The game is over when all pairs have been found. The player with the most pairs wins!

Make it Challenging!: You can make the game more challenging by having 20 cups and 10 pairs, 30 cups and 15 pairs and so forth. You could also have all the pairs be the same color, just different shape and sizes. You could even build pairs of little shapes with the bricks and use those! The possibilities with this game are endless so be creative and see how many different ways you can play!

PICK TWO LEGO MATH GAME

This is a fun math game that can be played many different ways! You can do addition, subtraction, multiplication, greater than, less than, and equal to. All you need is a bowl of various sized basic LEGO bricks, pencil and paper!

Playing the Game: Close your eyes and pick 2 LEGO bricks out of the bowl. Open your eyes and look at your bricks. Write out a math problem for the set of bricks by counting the little bumps on top of the LEGO. Make sure you solve the problem!

Ex.  +  = 10

Make it Challenging!: Instead of just picking 2 LEGO bricks out of the bowl, try picking 3 or 4 or more at a time! This is a great hands-on way to practice those math facts!

How about some History and Geography?

Find a picture of a historical landmark and build a replica of it with your LEGO bricks. Then tell your family where the landmark is located and why it is an important part of history. You can also discuss the various shapes used in your design!