

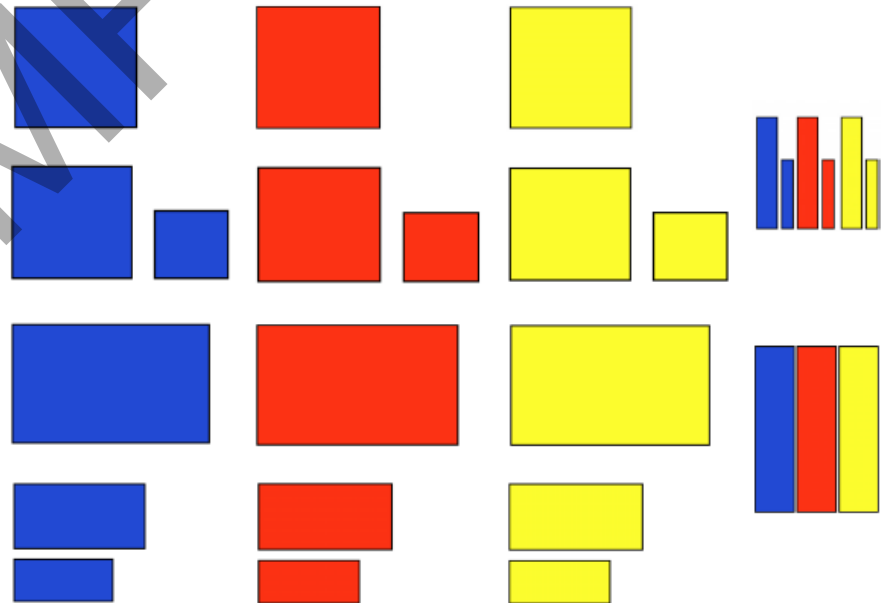
# Early Math Concepts – Organizing & Sorting

**Lesson Objective:** Children will learn the concept of organizing and sorting and grouping things by size, shape and color.

**Song:** Block Party

**Lesson Includes:**

- Lesson Introduction
- Lesson Script
- Mp3 Song
- Lyrics And Movements Page
- Visual Aids
- Bridging Activity
- Activity Sheet
- Parent Guide
- Home Activity
- Movement Video





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**Early Learning Strands:**

- Math: Data Classification
- Science: Physical Science (sort by attribute)

**Academic Vocabulary:** shape, size, color, red, line, blue, circle, yellow, fun, look, blocks, organize, knees, head, stack, hall, stairs, piles

**Sight Words (Dolch/Brigance):** look, at, some, did, you, all, and, I, too, what, we, can, do, fun, some, take, put, them, in, a, big, out, the, up

**Teaching Strategies:**

- Rhyming
- Call & Action

**Movement Strategies:**

- Song Manipulative

**Additional Supplies Needed:**

- Sorting blocks





# Early Math Concepts – Organizing & Sorting “Block Party”

**Lesson Objective:** Children will learn the concept of organizing and sorting and grouping things by size, shape and color.

## Interactive Dialogue

- Have two or three children stand beside you.
- Ask: Are the children the same size? Discuss the similarities (i.e. two eyes, tennis shoes, long pants, etc.).
- Talk about things coming in different sizes, shapes, colors.
- Hold up a shape from the Visual Aids file. Ask the children to find that shape somewhere in the room. Then ask them to find things of the same color, then things of the same size.
- Throw all the Visual Aids on the floor and have the children find all the blue ones, then all the squares, then all the small rectangles.
- Give children a bag of pattern blocks or have the children make their own using the Bridging Activity file.
- Put all the yellow blocks in a pile. (Use only one attribute at a time.)
- Now ask the children if there is another way we could sort the blocks? (Higher level thinking).
- Let each child decide how they want to sort their blocks.
- Listen to the song *Block Party* and have the children observe as you do the movements.
- Invite the children to learn the song and movements. Walk the children through the movements in short segments. Have them repeat the movements as you say the words to the song.
- Play the song and have the children sing and do movements. Repeat.

## Recommended Booklist

- Aber, Linda Williams. *Grandma's Button Box.*
- Murphy, Stuart J. *Beep Beep, Vroom Vroom!*
- Murphy, Stuart J. *Little Firefighters.*
- Pluckrose, Henry Arthur. *Sorting.*

## Related Activities

1. Dump a large container of colored wooden blocks. Have the children divide into color teams and then have them one at a time collect a block of their color until all the blocks are sorted by color. Next have each color team break into smaller shape teams and do the same using shapes.
2. Have the children sort writing utensils by type. Putting all the pencils in one container then all the pens, then markers, then crayons, chalk, etc.
3. During your next fire drill, when lined up outside, talk about how the children are sorted by classroom.
4. Take a field trip to a post office and discuss how mail is sorted.



# Block Party

Lyrics & Music By: David Burba; Performed By: Ron Williams

<u>LYRICS</u>	<u>MOVEMENTS</u>
Let's have a block party!	<i>If working with real blocks, follow the prompts in the song filling in with the movements below.</i> Pretend to play the trumpet during instrumental, wiggling to the beat.
<b>Chorus</b> Let's have some fun! Look at all these blocks! Where did you get all these blocks?  Every shape, and size and color I know! Look at all these blocks.	<b>Chorus Movements</b> Jump up high in the air! Make pretend binoculars over eyes, hands out in questioning pose. Do the wiggle dance exaggerated. Pretend binoculars over eyes.
We've got all these blocks! I know what we can do! We can organize by shape and size, and color too.	Big sweeping arm motion out to everyone. Do the wiggle dance exaggerated.
Let's have some fun!  Let's take all the red blocks, and put them in a great big line! Out the door and down the hall and up the stairs is fine! Next take all the big blocks, and stack them each on top! Past my knees and over my head, when will they ever stop!	Pretend to play the trumpet, wiggling to the beat. Jump up high in the air! Pretend to pick up a block, and have children line up in a straight line. Pretend to pick up a block, crouch down and pretend to stack a pile of blocks until standing up and hands up high over head.
Let's have some fun!  Let's take all the blue blocks, here's something you've never tried! Put 'em in a big, big circle, and let's all stand inside! Now take all the small blocks, and put them in piles of three.  This sounds pretty hard, but we can do it, you will see!	Pretend to play the trumpet, wiggling to the beat. Jump up high in the air! Pretend to pick up a block, and have the children move into a big circle.  Pretend to pick up a block, crouch down and place them in 3 different pretend piles.
<b>Repeat Chorus</b>	<b>Repeat Chorus Movements</b>
We've got all these blocks! There must be a thousand and one. Every shape, and size and color I know! I knew we'd have so much fun! Let's have a block party!	Big sweeping arm motion out to everyone. With arms out, turn around in a circle. Do the wiggle dance exaggerated.  Pretend to play the trumpet, wiggling to the beat.
<i>Alright all you kids, this is what you have to do! You have to invite all your friends over and have them bring all their blocks! Every color, shape and size there are. We'll put them in the middle of the room, into one great big pile. And we will learn to sort them, to group them, and to organize them by color, shape and size! aH HaHa ... Let's have a block party! Let's have a block party!</i>	Free dance movement to the beat of the music.  Pretend to play the trumpet.





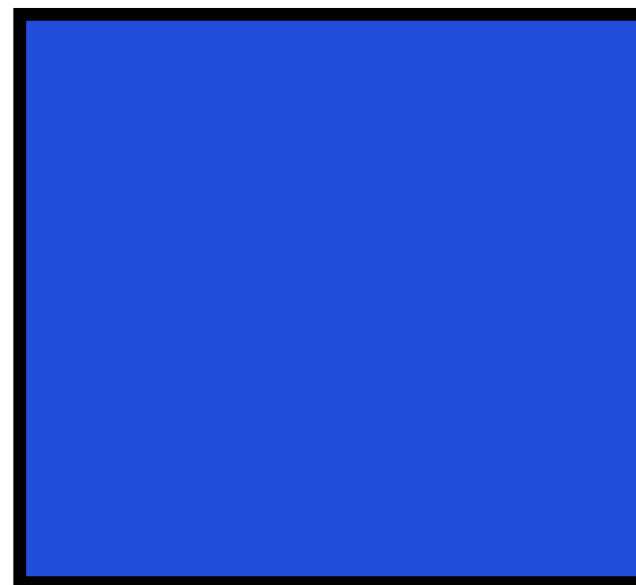
# Organizing & Sorting

(Visual Aids)

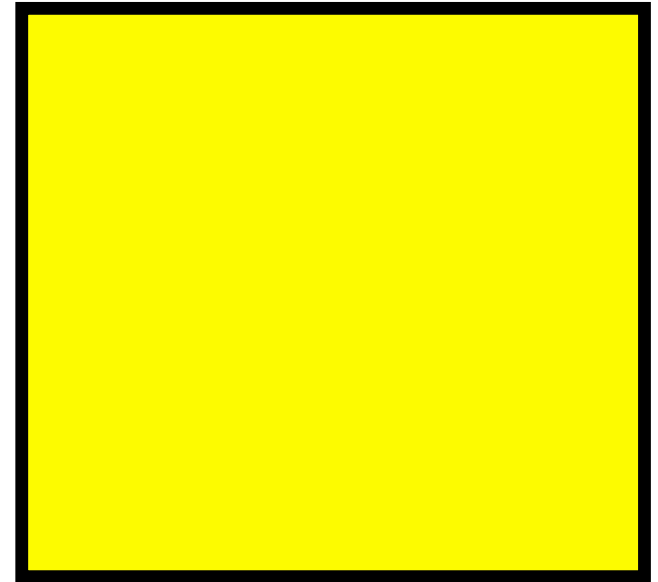
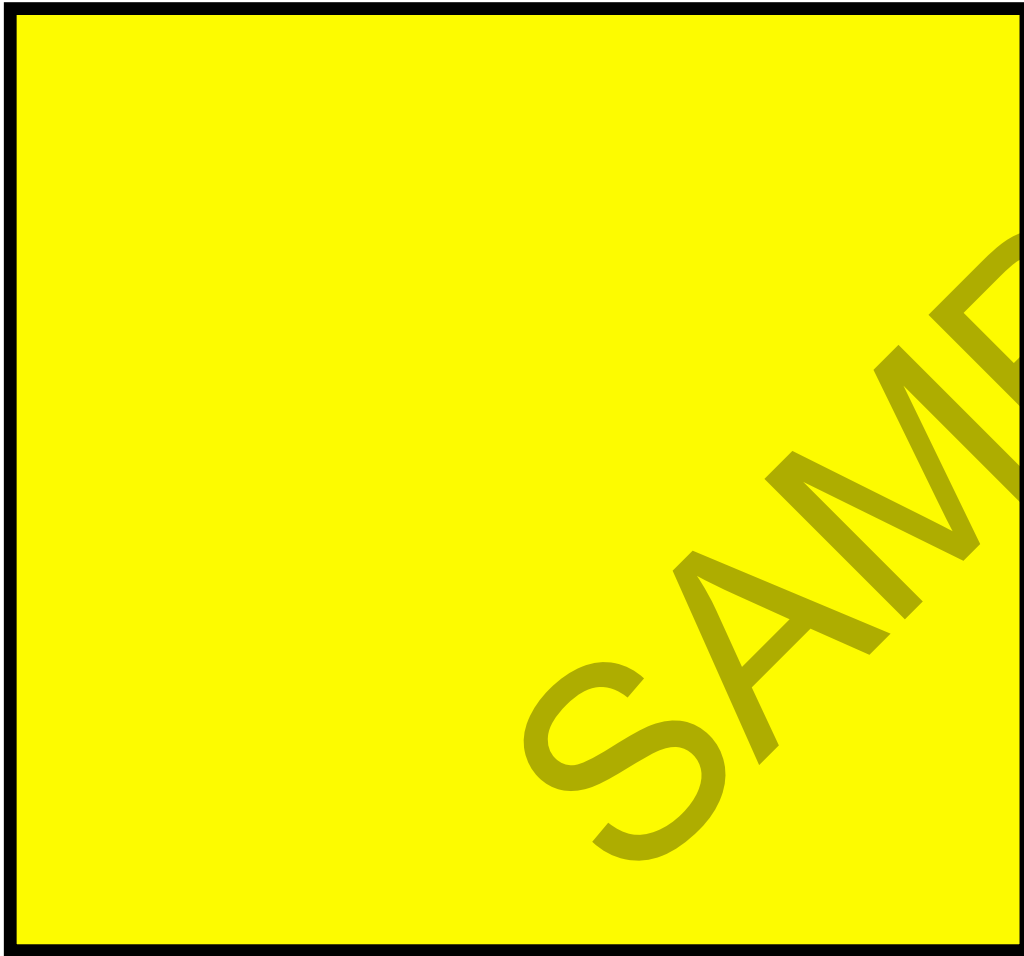
## Instructions:

Print block pages on 8½"x11" card stock, cut each block out and laminate if desired. Attach a magnet strip or Velcro on back of each block for use on a magnetic or felt board. Use blocks to organize and sort by size (small, medium, large), color (blue, red, yellow), shape (square, thick rectangle, thin rectangle). Use school supplies of sorting materials that have 3 different attributes of shape, size and color and have children sort their objects per teacher directed instructions.













# Organizing & Sorting

(Bridging Activity)

## Instructions:

Print pages on 8½"x11" bond for each child to have a complete set, have children color their blocks as indicated and cut each card out along borders. Have children use their flash cards to sort and organize by size, shape or color. Or play the memory game and find the 3 different color but same size and shape cards for each set.



yellow

red

blue

yellow



## Block Party



Trace and color the shapes at the bottom of the page. Cut them out and glue them in the correct boxes.



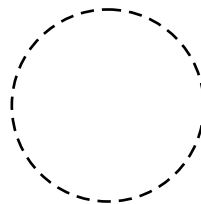
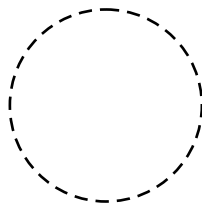
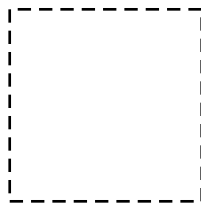
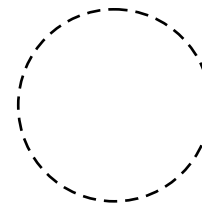
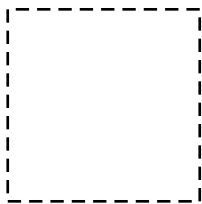
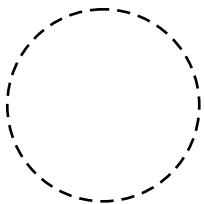
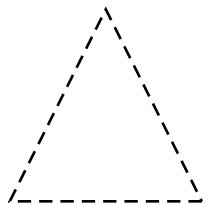
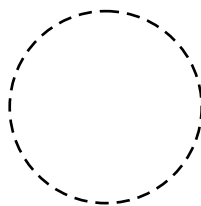
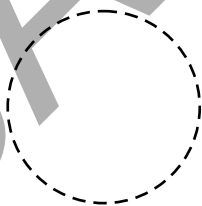
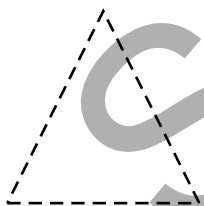
Color all of the squares blue.  
Glue them in this box.



Color all of the circles yellow.  
Glue them in this box.



Color all of the triangles red.  
Glue them in this box.





## PARENT GUIDE

### ORGANIZING & SORTING

Learning fundamental concepts in math, science and social studies will help children build on previous learning to construct new knowledge and ideas of the world around them. This lesson focuses on the concepts of organizing to grouping based on size, shape, and color.

#### Class Objective:

Children will learn the concept of organizing and sorting and grouping things by size, shape and color.

#### Questions To Ask Your Child:

1. Can you find all the rectangles in the room? Are there any triangles?
2. Can you tell me all the things that are red? Yellow?
3. What things in the house are big? What things are small?
4. How can you sort animals? How about cars? What other things can you sort?

#### Related Activities:

1. Have your child help you put groceries away and sort the foods before you put them away (sort all the fruits, canned goods, freezer items, etc.).
2. When folding laundry, have your child put the clothes of the same colors in piles. Then discuss other ways you can sort clothes (by size or by style, etc.).
3. Take a walk and notice all the things around you and make a chart of the things you find sorting them into different categories (colors of cars, animals, trees, etc.).
4. Go to a store and discuss how the items in the store are sorted. Discuss other ways to sort the items (i.e. by color or shape).

**Song: "Block Party" by David Burba**



# Organizing & Sorting

## (Home Activity)

### Questions To Ask Your Child:

1. Can you find all the rectangles in the room? Are there any triangles?
2. Can you tell me all the things that are red? Yellow?
3. What things in the house are big? What things are small?
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### Related Activities:

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4. Go to a store and discuss how the items in the store are sorted. Discuss other ways to sort the items (i.e. by color or shape).

### Instructions:

Color blocks as indicated and cut out. Use the blocks to sort and organize by size, shape and color.



