## MATH/MANIPULATIVES/PUZZLES

#### SOCIAL INTERACTION

- Create a game/routine out of clean up (e.g., use your hands to monster munch items into a box) and pause once routine is established
- Pass/roll manipulatives back and forth
- Include other people or materials in established routines to model/encourage expansion

## **REQUESTING**

- Offer choices of color, shape, size, etc.
- Occasionally use containers that are difficult to open
- Put preferred items (or preferred colors of items) out of reach

#### **JOINT ATTENTION**

- Set up a routine of sharing creations with adults and peers by showing, pointing, etc.
- Point to items around the room that are the same color or shape as manipulatives
- Place novel/unexpected items in containers within the center

## **EXPLORATORY PLAY**

- Provide items such as a small ball, puzzle piece, or other manipulative to encourage exploration
- Encourage multiple actions with the same object (e.g., shake, bang, and roll ball; touch, pick up, and drop puzzle pieces)

# **RELATIONAL PLAY**

- Give containers for sorting different items
- Give small blocks to put together and take apart
- Offer a range of puzzles to put together and take apart

## **FUNCTIONAL PLAY**

- Place dolls, animals, puppets, etc. in the center
- Incorporate tool set into center
- Use items such as insects and toy food to sting/feed dolls/other people

#### SYMBOLIC PLAY

- Pretend puzzle pieces (e.g., animals, food) are real and make them move or feed them to others
- Bring play dishes into center and pretend small blocks and other objects are food
- Give pretend qualities to objects (e.g., hot, cold)

# **Center-Specific Material Suggestions**

CENTER	SUGGESTED MATERIALS	
Art Center	<ul> <li>Various types and sizes of paper (white, construction, newsprint, easel)</li> <li>Crayons; markers; colored pencils</li> <li>Easel with various brushes</li> <li>Recycled/re-used items (bubble wrap, bottles, packing peanuts, magazines)</li> <li>Watercolors, finger paint, tempera</li> </ul>	<ul> <li>Scissors; glue/glue sticks</li> <li>Various collage materials</li> <li>Clay (modeling, natural)</li> <li>Ink/Bingo Dotters</li> <li>Beads , string, yarn, ribbon</li> <li>Play-dough, Gak<sup>TM</sup></li> <li>Dry erase boards with markers</li> </ul>
Block Center	<ul> <li>Blocks various shapes, sizes, &amp; colors</li> <li>Legos®/Duplos®, Lincoln Logs®, Bristle Blocks, Tinker Toys®</li> <li>Action figures/dolls (people/families)</li> <li>Road map rug or mat</li> <li>Toy house, farm, garage, pirate ship</li> <li>Mailing tubes</li> </ul>	<ul> <li>Pictures of places in community</li> <li>Pictures of famous places</li> <li>Dress up clothes (construction, fire fighter, train conductor)</li> <li>Toy animals (farm, dinosaur, zoo)</li> <li>Trains/connecting tracks</li> <li>Vehicles/transportation toys</li> </ul>
Circle Time	<ul> <li>Large dry erase board</li> <li>Easel with large chart paper</li> <li>Felt Board Activities</li> <li>Pockets charts, sentence strips</li> <li>Visual schedules</li> </ul>	<ul> <li>Musical instruments</li> <li>Song charts (with pictures)</li> <li>Low chairs; labeled seats</li> <li>Weather chart</li> <li>Calendar</li> </ul>
Dramatic Play	<ul> <li>Kitchen toys (pots, dishes, utensils)</li> <li>Grooming toys (brushes, comb, dryer)</li> <li>Household accessories (vacuum, iron)</li> <li>Toy food/grocery store items</li> <li>Dolls with extra doll clothing, crib</li> <li>Puppets and stuffed animals</li> <li>Toy cameras</li> </ul>	<ul> <li>Large mirror (shatter proof)</li> <li>Doll house with dolls &amp; furniture</li> <li>Dress-up clothes and accessories</li> <li>Cash register, shopping carts</li> <li>Themed kits (doctor, vet, salon, restaurant, post office)</li> <li>Telephones &amp; phone book</li> </ul>
Gross Motor	<ul> <li>Bean bags</li> <li>Balls (various types/sizes)</li> <li>Trikes, riding toys, wagons</li> <li>Stilts, swings</li> <li>Hula hoops</li> <li>Balance beam</li> </ul>	<ul> <li>Parachute</li> <li>Scarves, ribbon streamers</li> <li>Hopscotch, hop-along balls</li> <li>Tents, tunnels</li> <li>Tumbling mats, trampoline</li> <li>Basketball hoop</li> </ul>
Math/Manipulatives/ Puzzles	<ul> <li>Counting and matching games</li> <li>Puzzles (form board, floor puzzles)</li> <li>Magnetic shapes/numbers with board</li> <li>Sorting/counting items &amp; trays</li> <li>Geoboards® with rubber bands</li> <li>Rulers/Tape measure</li> </ul>	<ul> <li>Number line/number cards</li> <li>Paper dolls, color forms, dice</li> <li>Clocks, timers, calculators</li> <li>Pattern blocks with cards</li> <li>Unifix® cubes, nesting cups</li> <li>Pattern and sequence games</li> </ul>
Reading Center	<ul> <li>Books (rotate regularly) &amp; props</li> <li>Puppets (hand, finger, stick)</li> <li>Writing materials (clipboard, pencils)</li> <li>Alphabet cards/chart</li> <li>Magazines</li> </ul>	<ul> <li>Felt board stories</li> <li>Word Wall</li> <li>Letter and phonic games</li> <li>Magnetic letters with board</li> <li>Letter rubber stamps with ink pad</li> </ul>

Science Center	Natural items (rocks, feathers, acorns)	Science/nature books/magazines
	Microscope, magnifying glasses	Animals (aquarium, hamster)
	• Prisms	Magnets
	Collection containers	Picture cards
	Plants/seeds growing	Balance scale
Sensory Table	Water (add soap or food coloring)	Cups, buckets, shovels
	• Sand, soil, rice, beans	Boats, cars, trucks
	Float and sink items	Water wheels, funnels
	• Sponges, strainers, sifters	• Items to bury (animals, etc.)
Table Time	Play-dough, Gak <sup>TM</sup>	Dry-erase boards and markers
	Craft materials	Pipe cleaners, yarn, beads
	Books and related toys/objects	Puzzles and mazes