

# The Creative Curriculum<sup>®</sup> for Preschool

## Expanded Daily Resources—Materials for Investigations

These materials for investigations are not packaged with *The Creative Curriculum<sup>®</sup> for Preschool, Expanded Daily Resources*. *The Intentional Teaching Cards<sup>™</sup>*, *Mighty Minutes<sup>®</sup>*, and *Teaching Guides* identify which of these materials you will need for particular activities. As you conduct studies and plan your day, think about the resources readily available in your school and community. You may have similar materials that you can substitute for items on the list.

### Teaching Guides

#### Tubes and Tunnels Study: Interest Areas



<b>Blocks</b>	pictures of different jobs related to tubes or tunnels
<b>Dramatic Play</b>	mailing tubes, items that can be rolled up, materials from the site visit
<b>Music and Movement</b>	play tunnel, megaphones, tubes, tube connectors, recordings of different woodwind instruments, straws, scissors, tape, wind chime
<b>Art</b>	different types of paper, bookmaking materials, photos of people who work at the school and of materials they use for their jobs
<b>Library</b>	books and magazines that feature tunnels you drive through, fiction and nonfiction books that feature tubes and tunnels, photos from the site visit
<b>Sand and Water</b>	collection of tubes (some open at one end and some at both ends), pipes, hoses, connectors, funnels and containers, straws, tape, unused nasal aspirator
<b>Toys and Games</b>	collection of tubes of varying lengths, straight and angled tube connectors, large paper, pencils or crayons, cardboard tubes, duct tape, scissors, marbles, pictures of marble runs
<b>Technology</b>	pictures of tunnels that animals make, videos of animals making tunnels, pictures and videos of barrel waves

## Simple Machines Study: Interest Areas

<b>Blocks</b>	photos of ramps and inclined planes in the community; large, sturdy inclined plane; materials to make inclined planes; pictures of inclined planes at a skate park; pulley
<b>Dramatic Play</b>	materials to create a tire shop, photos from the tire shop visit, bicycle props
<b>Art</b>	scissors, hole punches, staplers, woodworking materials including screws and screwdrivers, photos of simple machines in the community, clay, tools to work with the clay
<b>Library</b>	fiction and nonfiction books that feature simple machines
<b>Discovery</b>	simple machine collection, handheld simple machines, camera, materials to make levers, collection of levers to balance, a complex machine or electronic machine children can take apart, tools, pictures of simple machines, moving equipment and boxes
<b>Sand and Water</b>	materials to make inclined planes
<b>Toys and Games</b>	variety of items that are large and small (e.g., feathers, pom-poms, balls, etc.), large and small tweezers and tongs, sections of pegboard, screws, nuts and bolts, nails, 1-inch sections of pool noodles cut in half lengthwise, collection of screw-top bottles and caps, roller skates, wheels, tools to change wheels
<b>Cooking</b>	lemons, lemon squeezer, sugar, cups, pitcher, mixing spoon, variety of fruits, chart paper, marker, bowl, plastic knives



## Signs Study: Interest Areas

<b>Blocks</b>	display signs
<b>Dramatic Play</b>	sign-making materials, materials for a grocery store, "walk" and "don't walk" signs, signs similar to the ones the visitor used
<b>Music and Movement</b>	red, yellow, and green signs; musical instruments including a whistle
<b>Art</b>	sign-making materials, pictures of wordless signs, materials to make a class banner, materials from the print shop (e.g., large paper, discarded signs, etc.), paint rollers, stencils, materials for making displays and activities for the celebration
<b>Library</b>	nonfiction books about signs, photos of signs, materials to make a class book, pictures of signs the children have made or noticed, magazines, books that feature sign language
<b>Toys and Games</b>	pictures of signs with words, magnetic letters and boards, cut-out shapes, pictures of signs, board games with signs, classroom map, detour signs
<b>Technology</b>	pictures of signs from different countries, pictures of animal-crossing signs, videos of sign language



## Sand Study: Interest Areas

<b>Dramatic Play</b>	props and materials similar to those used at the construction site the class visited
<b>Art</b>	clear contact paper, sand samples, scissors, markers, masking tape, large pieces of cardboard, paint, brushes, cardstock, glue, sandpaper, wooden blocks, large bin with sand and materials similar to those used by the visitor, camera, recipe for sand dough posted on chart paper, ingredients and supplies for the recipe, photos of beach sand sculptures, materials for making displays and activities for the celebration
<b>Library</b>	photos and books featuring wildlife that lives or nests in the sand (e.g., snakes, crabs, insects, scorpions, spiders, turtles, etc.)
<b>Discovery</b>	sand samples; magnifying glasses; white paper; writing materials; paint boards; materials to rub on the boards (e.g., tissues); fans; straws; brooms; dust pans; camera; photos of sand ripples and dunes; toys; materials to make sand specimens (e.g., contact paper, masking tape, marker); dried sand dough; chunk of cement or mortar; delicate shells; pumice stones; solid rocks of various sizes; plastic containers with lids; mallets; hammers; rolling pins (or mortar and pestle); photos or books showing how sand is created from erosion, the ocean, and/or the weather; pan; protective eyewear; a collection of small or broken bricks; glue; fine mesh strainers; bowls, scoops, and spoons, etc.
<b>Sand and Water</b>	sand (and/or sand dough), containers of water, sand molds, scoops, rakes, a variety of balls that bounce, measuring tape or string, video camera, cups, sponges, balance scale, flat-bottomed container filled with wooden blocks, rope, containers of substances to pour (e.g., sand, water, liquid soap, etc.), funnels, large bins, water bottles, stopwatch, sand rake, golf balls, sculpting tools
<b>Cooking</b>	ingredients for sautéed leeks, chopping boards, knives, large bowl, electric skillet, wooden spoons, plates, forks
<b>Technology</b>	sand samples in closed containers; books showing sand of different colors; images of beaches around the world; videos of sand melting into molten glass; samples of glasses and glass art; sand samples; large straws; bubble solution or balloons; websites with images and videos showing how erosion, weather, and the ocean breaks down materials to create sand; rock tumbler
<b>Outdoors</b>	sandbags, large piece of cardboard on which to build, ingredients for mortar, bricks, large buckets for mixing mortar, masonry trowels



## Insects Study: Interest Areas

<b>Blocks</b>	photos of anthills, beehives, wasp nests, etc.; building materials (e.g., paper towel rolls, shoe boxes, tape, glue, etc.)
<b>Dramatic Play</b>	sports equipment, protective clothing, fabric in colors similar to those in the classroom or outdoor play area, camera, materials similar to what the children will see at the site visit, plastic or plush insects, paper, markers, crayons, pencils
<b>Music and Movement</b>	video of insect climbing over an obstacle, cushions or pillows, photos and videos of insects moving in different ways (e.g., crawling, hopping, flying, etc.)
<b>Art</b>	photos taken of insects seen in our community, bookmaking materials, photos of some of the world's largest insects (e.g., Goliath beetle, giant weta, Queen Alexandra's Birdwing), molding dough, large piece of butcher paper, markers or crayons, photos of insects, pictures of murals
<b>Library</b>	nonfiction books with photos or realistic illustrations of insects; magnifying glasses; materials to make a journal; books, magazines, and Internet articles about monarch butterflies' migration; monarch migratory maps; class insect book; science journals; writing materials; books (fiction and nonfiction) about insects growing and changing; books about people whose work involves insects
<b>Discovery</b>	insect-collecting equipment, photos of insects, insect habitats and supplies to create habitats, plastic insects, drinking straws, staple remover, fruit juice or nectar, fresh fruit, illustrations or videos of insects eating, insect field guides, magnifying glasses, photos of nonindigenous insects, photos of adult insects and their eggs, books that show pictures or illustrations of insects hatching from eggs, close-up photos of cocoons, videos or photos of insects forming a cocoon, photos of insects at various stages of development, photos of insect habitats (i.e., pond, grass, trees, sky), plant samples, captured insects, flowers with pollen, photos of insects covered in pollen, books that feature insects' role in pollination, paper plates or coffee filters, colored chalk, flat objects
<b>Toys and Games</b>	photos of insects, realistic toy insects
<b>Cooking</b>	bottle of honey, plain yogurt, lemonade (without sweetener), pieces of fruit, corn syrup, maple syrup
<b>Technology</b>	bookmarked websites that offer guidance on how to care for insects; videos of insects communicating using lights, colors, touch, or dance; images and video recordings of insects working together; photos and videos of insects on plants and flowers
<b>Outdoors</b>	microscope, sign-making materials, writing materials, magnifying glasses, science journals, camera



# Intentional Teaching Cards™

## Language & Literacy

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- collection of familiar books of various genres
- ingredients for pumpkin pie (2 eggs, 1 16 oz. can pumpkin puree, 1 14 oz. can sweetened condensed milk, 1 tsp. pumpkin pie spice, 1 refrigerated pie crust)
- chart paper
- bowl
- baking sheet
- large spoons
- pie plate
- book with a review on the back
- variety of writing tools
- example of a storybook in which the author and illustrator are different
- cardboard or card stock
- paper
- pencils
- crayons
- markers
- bookbinding supplies
- several books by the same author and illustrator
- large mirror
- tape
- index cards with color and clothing words and pictures
- a folder for each child
- children's work samples
- photos of the children engaging in different classroom activities
- birdseed
- materials to make a birdfeeder (e.g., plastic bottle or milk carton, water bottle, small cups, funnel, peanut butter, pinecones)
- string
- ceramic or clay saucer
- magnifying insect catchers
- rolls of plain or colored masking tape or first-aid adhesive cloth tape
- child-size table
- photos of each child and his or her family
- photo album or bookmaking materials
- large, nontoxic ink pads or nontoxic paint
- shallow tray
- bookbinding supplies (e.g., hole punch and yarn or metal rings)
- camera



## Physical

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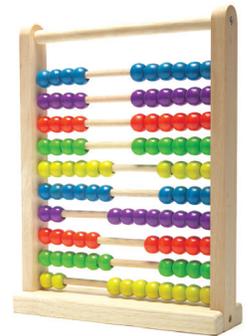
- air-dry clay or molding dough
- plastic or wooden carving tools
- rolling pins
- chart paper
- markers
- colored masking tape
- a variety of light, bouncy balls such as beach balls
- collection of natural items (e.g., leaves, sticks, pinecones, pieces of bark)
- shallow trays or boxes
- nontoxic paint
- water
- painting smocks or large adult-size shirts
- large sheets of paper
- camera
- storybook of *The Tortoise and the Hare*
- picture of a tortoise
- picture of a hare
- traffic cones
- beads of various sizes for stringing
- string or pipe cleaners
- collection of small, empty boxes such as tissue boxes
- chalk or masking tape



# Intentional Teaching Cards™ continued

## Mathematics

- variety of pots, pans, and bowls
- wooden spoons
- plastic spatulas
- plastic floor covering
- large clear containers of water
- two trays or plates
- a variety of objects that might sink or float (e.g., balls, cars, blocks, manipulatives, large feathers)
- paper
- pencils
- bath mat with suction cups aligned in rows
- numeral cards 1–20
- marbles
- masking tape
- nylon stockings
- tennis balls
- blocks
- small cardboard boxes
- collection of paper towel tubes
- two chairs
- broom or mop
- flat boards
- objects to roll down the ramps (e.g., blocks, cars, balls, crayons)
- non-standard measuring tools (e.g., unit blocks, cubes, paperclips)
- large perler beads
- square or rectangle pegboards
- parchment or iron paper
- iron
- sensory table or shallow plastic storage bin
- dirt or nontoxic potting soil
- child-size gardening tools
- watering cans and misting spray bottles
- variety of hardy, nontoxic houseplants or plastic or silk flowers
- small and medium plastic flower pots or different sizes of paper cups
- craft sticks
- treasure items (e.g., stuffed animal, decorated box, etc.)
- tangram shapes
- cardstock or construction paper
- bag or box
- sensory table or bin
- sand
- collection of small objects (e.g., shells, plastic animals, interesting rocks, feathers, pinecones, toy vehicles)
- sifters
- sieves
- rakes
- slotted spoons
- strainers
- muffin pan
- baking cup liners
- large bowl
- whisk
- measuring cups
- chart paper
- markers
- ingredients for fruit muffins (2 c. all-purpose flour, 1¼ c. sugar, 2 t. baking powder, ½ t. salt, ½ c. butter, 2 eggs, ¼ c. milk, 1 c. blueberries, 1 c. apples, 1 c. strawberries)
- small scoop
- jar or box
- small classroom items such as pom-poms, buttons, blocks, or other small manipulatives
- numeral-quantity cards 1–10
- assorted items that can be traced (e.g., cookie cutters, blocks, shapes)
- crayons
- large dice



## Social–Emotional



- chart paper
- markers
- photos of children's faces expressing different emotions
- full body photos of each child printed on 8½" x 11" paper
- crayons
- stickers
- board game
- baby dolls
- variety of baby doll accessories (e.g., bottles, blankets, diapers, bibs, etc.)

# More Mighty Minutes®



- numeral cards
- alphabet cards
- sentence strips
- name and photo of each child on separate index cards
- collection of items with different textures
- box
- classroom items
- music player
- mirror
- pairs of items (e.g., socks, mittens, work gloves, or rain boots)
- masking tape
- shape cards
- chart paper
- markers
- *It Looked Like Spilt Milk* by Charles G. Shaw
- dice
- beanbag
- signs with large arrows
- photos or illustrations of each stage of the life cycle of a moth
- pictures or video clips of a cuckoo clock, grandfather clock, or movement clock
- ball
- *The Happiest Tree* by Uma Krishnaswami
- rhythm sticks
- books from the classroom collection
- rhythm instrument
- spinning color wheel made out of cardboard, construction paper, and a paper fastener
- sticky notes
- small bag or pillowcase
- pictures or props children can use to retell a story
- shape cutouts
- toy vehicles
- instruments
- red and green signs
- paper
- crayons



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To learn more about *The Creative Curriculum® for Preschool*, visit [TeachingStrategies.com](http://TeachingStrategies.com) or call **800.637.3652**.