

The programming options are provided to support a range of implementation based upon library staffing and community needs. The materials and activities in the Play K curriculum are meant to support Pennsylvania's Learning Standards for Early Childhood and promote school readiness.

### Playscape 7: Sets & Patterns All Around

This playscape explores the theme of sets and patterns with preschoolers.

Understanding sets and patterns in our everyday environment helps us learn early math concepts and develop mathematical thinking skills. Two essential questions guide the programming options in this playscape: How many different ways can we sort the same set of objects? What patterns do we recognize in books, songs and objects? A variety of key learning areas are reinforced as the children and parents play together and participate in the activities.

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| <p><b><u>Playscape Materials</u></b></p> <p><b>New for this Playscape:</b></p> <p>Early Math Activity Center</p> <p>Literature Based Sorting Center: <i>One Fish, Two Fish, Red Fish, Blue Fish</i></p> <p>Parent Activity Card for <i>Sets and Patterns All Around</i></p> <p><b>Repurposing Possibilities from Other Playscapes:</b></p> <p>Vehicle Sorting Center from Playscape 1: All Aboard!</p> <p>Size and Color Teddy Bear Counters &amp; Hands-on Sorting Tray from Playscape 6: My Colorful World</p> | <p><b><u>Playscape Set-Up</u></b></p> <p>Working with your available space, set out and arrange all or some of the materials and books to create an attractive "play corner" for parents and children. Also, display the following parent tips:</p> <p><b>Tips for Parents &amp; Children</b></p> <p><b>1,2,3, Play with Me!</b></p> <ol style="list-style-type: none"> <li>1. Follow your child's lead while exploring the different activities and use natural opportunities to extend language and concepts. For example, if your child chooses to start playing with the Literature Based Sorting Center, "Look at all of the different ways you can sort the fish! You can sort them by color, by size, and even type of fish. Which sorting card would you like to start with?"</li> </ol> | <p><b><u>Circle Time</u></b></p> <p>Gather children in a circle to simulate a kindergarten experience. Tell children that storytime today will be a chance to "Play Kindergarten!"</p> <ol style="list-style-type: none"> <li>1. Praise children for how nicely they are sitting with their eyes on you, and tell them that their kindergarten teacher will love to see this when they start school!</li> <li>2. Explain that in kindergarten there will be rules to follow during Circle Time. One rule we will practice today is to raise your hand and wait to be called on when you want to say something. Assure them that you will remind them if they forget, but that you are sure they will try their best!</li> <li>3. Go over the calendar with the children as they do in kindergarten, using the "My First Calendar" board. Talk about the day of the week, the date, the month, the season and the</li> </ol> | <p><b><u>Key Learning Areas Reinforced</u></b></p> <p><b><u>Passive Program</u></b></p> <p>Approaches to Learning Through Play - Constructing, Organizing and Applying Knowledge</p> <p>Language and Literacy - English Language Arts</p> <p>Mathematical Thinking and Expression - Exploring, Processing and Problem-Solving</p> <p>Creative Thinking and Expression – Communicating Through the Arts</p> <p>Partnerships for Learning - Families, Early Care and Education Programs, and Communities</p> |

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| <p><b><u>Books</u></b></p> <p><a href="#">A Pair of Socks</a> by Stuart J. Murphy</p> <p><a href="#">Pete the Cat: I Love My White Shoes</a> by Eric Litman</p> <p><a href="#">Sort It Out!</a> by Barbara Mariconda</p> <p><a href="#">One Fish, Two Fish, Red Fish, Blue Fish</a> by Dr. Seuss</p> <p><b><u>Book-FLIX selections</u></b></p> <p><b><u>Technology Connection</u></b></p> <p>Fiction: <i>This is the House That Jack Built</i></p> <p>Nonfiction: <i>Totally Strange Buildings</i></p> <p><b><u>Technology Connection</u></b></p> <p><a href="#">Toca Boca Apps</a><br/><b><a href="http://tocaboca.com/apps">tocaboca.com/apps</a></b></p> <p>Toca Band</p> | <p>2. Let your child choose one of the books for you to read aloud. As you share the book, connect the story, characters, or concepts to the materials you have been playing with together. For example, "Look, this book is <i>A Pair of Socks</i> by Stuart J. Murphy. Maybe they are sorting the socks into pairs in this story like we just sorted the fish. Let's read and find out!"</p> <p>3. Build scissor skills with the shapes or other cutting practice activities we have provided. Help your child and "share the scissors" as needed to keep it fun!</p> <p><b><u>Optional Technology Extensions</u></b></p> <p>Load the theme-related TOCA BOCA App on a tablet for children and parents to explore together. TOCA BOCA is an award-winning game development studio that makes popular child-friendly applications for tablets and smartphones (both Apple and</p> | <p>weather for the day and allow children to take turns placing each on the board, if appropriate for the group.</p> <p>4. Ask children if they have ever watched (or helped) their parents sort the laundry. Have a small basket of socks of different sizes and colors. Empty the basket and ask children if they can help you match the socks. Talk about how looking for matches by size, color and shape can help you sort the socks into matching pairs.</p> <p>5. Share the Literature-Based Sorting Center and model a couple of different ways to sort the fish. Tell children and parents that this will be available to play with after Circle Time!</p> <p>6. Perform a read-aloud of <i>Pete the Cat: I Love My White Shoes</i> by Eric Litman. Explain that the author repeats parts of the story and when you get to those parts you'll give them a signal to join in with you. Invite children to chime in on the repeating pattern: "<i>Did Pete cry? Goodness, no! He kept walking along and singing his</i></p> | <p><b><u>Circle Time / Storytime</u></b></p> <p><b>All of the above, plus</b></p> <p>Social and Emotional Development - Student Interpersonal Skills</p> <p>Health, Wellness, and Physical Development – Learning About My Body</p> |

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| <p><b><u>Master Kit Materials (for Circle Time / Storytime)</u></b></p> <p>My First Calendar Board</p> <p>Safety Scissors</p> <p>Shapes Handout for Cutting Practice</p> <p>White drawing paper</p> <p>Markers</p> | <p>Android). Go to <a href="http://tocaboca.com/apps">tocaboca.com/apps</a> and look for Toca Band. This app encourages playing with sounds and musical patterns.</p> <p>Make the parents aware of the Book-Flix selections that support this theme.</p> | <p><i>song.</i>" Have fun singing the song together!</p> <ol style="list-style-type: none"> <li>7. Share the Early Math Activity Center and show children that one of the activities is to use the elephants to repeat the pattern on the activity card. Explain that patterns are things that repeat the same way, just like the repeating pattern of sentences in <i>Pete the Cat: I Love My White Shoes</i>. Work through a couple of the patterns on the card and tell children and parents that all of these will be available to play with after Circle Time!</li> <li>8. Close circle time with a song, praise the children for trying their best to remember to raise their hand today, and announce the next Play K program.</li> </ol> <p><b><u>Storytime Extension Options</u></b></p> <p><b>TALK:</b><br/> <b>Find the Pattern</b><br/>           Show children pictures of patterns in nature and ask them to tell you about the pattern in each picture. If appropriate for</p> |   |

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|                    |                     | <p>your age group, they could turn and talk to their neighbor first. Examples: tiger, zebra, flowers</p> <p>Then ask children to find patterns in the room. Examples: floor or carpet pattern, clothing, shoes, windows</p> <p><b>SING:</b><br/> <b>Tick Tock Goes the Clock</b><br/> <a href="#">Rhythm Sticks Song performed on Jbrary:</a><br/> <a href="https://www.youtube.com/watch?v=luq0w_GMHU0">https://www.youtube.com/watch?v=luq0w_GMHU0</a></p> <p>Tick tock, tick tock<br/>                     Goes the clock<br/>                     Waiting for someone to knock, knock, knock (Clack rhythm sticks together for the knock, knock, knock pattern in each verse.)<br/>                     My, oh my, it's a cat!</p> <p>Tick tock, tick tock<br/>                     Goes the clock<br/>                     Waiting for someone to knock, knock, knock<br/>                     My, oh my, it's a bunny!</p> |   |

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|                    |                     | <p>Tick tock, tick tock<br/>Goes the clock<br/>Waiting for someone to knock, knock, knock<br/>My, oh my, it's a duck!</p> <p>Tick tock, tick tock<br/>Goes the clock<br/>Waiting for someone to knock, knock, knock<br/>My, oh my, it's a walrus!</p> <p><b>READ:</b><br/>Additional books to expand the playscape theme~</p> <p><a href="https://www.naeyc.org/resources/pubs/tyc/dec2018/now-read-pattern-books">Pattern Books - Annotated List from NAEYC</a><br/><a href="https://www.naeyc.org/resources/pubs/tyc/dec2018/now-read-pattern-books">https://www.naeyc.org/resources/pubs/tyc/dec2018/now-read-pattern-books</a></p> <p><a href="https://earlymath.erikson.edu/sorting-it-out-books-to-read-for-kids/">Sorting It Out with Buttons and Books - Erikson Math Collaborative</a><br/><a href="https://earlymath.erikson.edu/sorting-it-out-books-to-read-for-kids/">https://earlymath.erikson.edu/sorting-it-out-books-to-read-for-kids/</a></p> <p><b>WRITE:</b><br/>After sharing <i>Pete the Cat: I Love My White Shoes</i>, give each child a piece of drawing paper with this sentence printed</p> |   |

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|                    |                     | <p>at the bottom: I love my _____ shoes. Ask parents to help their child write a color word in the blank. If appropriate, the child could write the first letter and the parent could write the rest of the word. Encourage the children to draw and color a picture to match their sentence!</p> <p><b>PLAY:</b><br/>Play <a href="#">The Hoop Game from The Erikson Institute</a> to reinforce understanding of sets.</p> <p><a href="https://earlymath.erikson.edu/the-hoop-game-simple-tossing-game/">https://earlymath.erikson.edu/the-hoop-game-simple-tossing-game/</a></p> <p>Use masking tape or a hula hoop to mark off an enclosed space. Have children take turns tossing three bean bags into the enclosed space. After each toss, ask the children how many bean bags are inside and outside of the space. Have each child gather the bean bags and hand them to the next child to take a turn.</p> |   |