| AVON THE How Materials Change to Create Something New: April | | | | | | |
|--|--|---|--|--|---|--|
| Unit #: | APSDO-00062880 | Duration: | 4.0 Week(s) | Date(s): | | |
| Team: Lindsey Hensley (Author), Donna Nestler-Rusack, Jodi Kryzanski, Lisa Gilbert, Mary Labowsky, Jennifer Benson, Danielle Pratte Grades: PK4 Subjects: Pre School | | | | | | |
| Unit Focus | | | | | | |
| In this unit, students will increase their understanding of how materials change and how various materials can be combined to create new things. Students will have opportunities to make predictions and participate in hands-on activities and experiences, such as observing ice melting, making pancakes and butter, working with playdough and clay. Student progress will be continually monitored through observation and analysis of student work, performance and participation. Learning will take place in a variety of instructional formats and structures including center time, morning meeting, learning stations, and read aloud/second circle. | | | | | | |
| Stage 1: Desired Results - Key Understandings | | | | | | |
| Established Goals | | Transfer | | | | |
| Connecticut Goals and Standards PK4 Try multiple uses of same materials and observe differing results. C.60.7 Understand an increasing variety and | | T1 (T1) Wonder about, ask questions, and explore the world around them. | | | | |
| | | Meaning | | | | |
| | | U | Inderstandings | Esse | ential Questions | |
| specificit and attril and syml Use an ir of accept and attril and syml Use more through I (e.g., lab | ty of words for objects, actions butes encountered in both real bolic contexts. <i>L.60.1</i> ncreasing variety and specificity ted words for objects, actions butes encountered in both real bolic contexts. <i>L.60.4</i> e complex words learned books and personal experiences bel favorite shirt as chartreuse, that a paleontologist studies | experiences of visual arts, dr U2 (U401) Sc and coordinat describe, exp phenomena. U3 (U402) Co as the quality U4 (U407) Ma | ne's thoughts, feelings, and can be expressed using music, ama, and dance. ientific inquiry is a thoughtful ced attempt to search out, lain, and predict natural onclusions can only be as strong and quantity of the evidence. aterials can change when are made to its temperature. | about? Q2 (Q402)How to test it out? V should I/we do Q3 (Q403)Bas conclusion car Q4 (Q401)Bas happened here | at questions do I wonder v do I/we come up with a plan What did I/we find? What o next? ed on this scenarioWhat n I make? How can I describe it? ed on this scenarioWhat just e? How do I show it? at happens when I heat or cool | |

| dinosaurs). <i>L.60.5</i> Use language to share ideas and gain | Acquisition of Knowledge and Skill | | |
|---|------------------------------------|---|--|
| information. <i>L.60.10</i> Use early developmental spelling. May | Knowledge | Skills | |
| use one letter for the initial or final sound to represent whole word. <i>L.60.26</i> | | S1 | |
| Use a variety of tools and materials to | | I can ask a question that I want an answer to. | |
| represent ideas through the visual arts. <i>CA.60.5</i> | | S2 | |
| Assume elaborate roles in dramatic play (e.g., may play multiple roles or may stay in character for extended periods of | | l can work with others to create something new. | |
| time). <i>CA.60.6</i>Use materials and props in unique ways | | 53 | |
| and are creative in finding and using materials as props desired for dramatic play. <i>CA.60.7</i> | | I can work with others to describe and record what happened. | |
| Define a problem to be solved, including | | S4 | |
| details and limitations to be considered (e.g., "We need to figure out how to reach that shelf, but we aren't allowed to | | l can explain what happened using my pictures and words. | |
| stand on the chairs"). <i>S.60.1</i>Engage in collaborative investigations to | | S5 | |
| describe phenomena or to explore cause and affect relationships. <i>S.60.2</i> Gather data by drawing, counting or | | I can label my picture using the word (spoken or symbolic). | |
| otherwise documenting observations. | | S6 | |
| <i>S.60.3</i> Give evidence from observations or investigations. <i>S.60.4</i> | | I can use details to make my description more clear. | |
| Evaluate the appropriateness of a material for a given purpose based upon | | S7 | |
| its properties. <i>S.60.12</i> Observe how heating and cooling cause changes to properties of materials (e.g., | | I can use a variety of tools and materials to create something. | |
| Ice melts when we bring it inside. Plastic | | S8 | |
| becomes brittle when it is left outside in the cold). <i>S.60.13</i> | | I can find out what happens when something is heated or cooled. | |