

## Lesson Plan 5. Health Care Tools & Techniques

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| Target Grade(s)                              | 9 <sup>th</sup> – 12 <sup>th</sup> grade   |
| Essential Question                           | What basic competencies, tools and skills are required for a Licensed Practical Nurse?   |
| Learning Outcome(s)                          | <ol style="list-style-type: none"> <li>Students will learn up to ten basic nursing skills and the tools that expand senses to capture required data.</li> <li>Students will understand how nurses are primarily responsible for data collection through patient assessment that informs appropriate action for care.</li> </ol>  |
| National Health Science Foundation Standards | <p>2.13 Distinguish the differences between subjective and objective information.<br/>           2.15 Modify communication to meet the needs of the patient/client and to be appropriate to the situation.</p> <p>7.1 Infection Control<br/>           7.1.1 Explain principles of infection transmission.</p> <p style="padding-left: 40px;">a. Chain of infection<br/>           b. Mode of transmission<br/>           c. Recognize chain of infection<br/>           d. Describe mode of transmission.</p> <p>10.1 Technical Skills<br/>           10.1.1 Demonstrate procedures for measuring and recording vital signs including the normal ranges (temperature, pulse, respirations, blood pressure, pain).</p>   |
| VT AOE Transferable Skill(s)                 | <ul style="list-style-type: none"> <li><i>Informed and Integrative Thinking</i> - Analyze real-life situations, data, patterns, texts, artifacts, or other products using knowledge from other disciplines and situations.</li> <li><i>Clear and Effective Communication</i> - Present my ideas coherently, with a logical sequence.</li> </ul>  |
| Sequence & Duration                          | <ul style="list-style-type: none"> <li>INTRO – Group Brainstorm: From students’ prior knowledge and life experiences, make a list of all the skills and responsibilities of a nurse.</li> <li>Activity 1 – Full group viewing of <a href="#">Video 1 – Assess the Scene</a>. Teacher explains activity rotations and tasks.</li> <li>Activity 2 - Nursing Tools and Techniques – Lesson Delivery Options               <ul style="list-style-type: none"> <li>✓ Option A: Set up 3 – 4 stations each with a laptop and cued video(s), tool (as needed), and an Action Card. Students are self-guided and rotate on signal.</li> <li>✓ Option B: Pre-set 3 – 4 videos on a full classroom screen, divide the class into small groups with tools as needed. The teacher facilitates the Action Cards for the full class.</li> </ul> </li> <li>Closure – Quiz Game by Teams</li> <li>Reflection – Exit Card Prompt: <i>The nursing skill I found most interesting was...</i></li> </ul> |
| Key Vocabulary & Concepts                    | <ul style="list-style-type: none"> <li>Sensory Extension with Tools</li> <li>Pulse Oximeter</li> <li>Stethoscope</li> <li>Assessment</li> <li>Infection Control</li> <li>Normal Range</li> <li>Reflex</li> </ul>   |

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|  | <ul style="list-style-type: none"><li>• Abnormality</li><li>• Glo Germ</li></ul> |
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| Materials           | <ul style="list-style-type: none"> <li>• Laptops or another Video Device</li> <li>• Stethoscopes</li> <li>• Pulse Oximeter (if available)</li> <li>• Thermometers (2 types)</li> <li>• Gloves and Shaving Cream</li> <li>• Soap</li> <li>• Glow Germ Solution</li> <li>• Watch with Second Hand</li> <li>• Pen Lights</li> <li>• UV Flashlight</li> <li>• Tool Trays</li> <li>• Quiz Game Question and Answer Card</li> <li>• Bells or Buzzers (2)</li> </ul> |
| Teacher Preparation | <p>Teacher's responsibilities prior to the lesson</p> <ul style="list-style-type: none"> <li>• Set up laptops and/or screen and cue videos</li> <li>• Place tools at stations or for groups</li> <li>• Action Cards at stations or ready for instruction</li> <li>• Quiz Game Q &amp; A Card and bells prepared</li> <li>• Index Cards ready for exit ticket prompt</li> </ul>  |
| Resources           | <ul style="list-style-type: none"> <li>• Nursing Videos on YouTube featuring Alyson D'Andrea, LPN:<br/> <a href="https://youtube.com/playlist?list=PLXih1JTloTlOT1Ay4ZryJn15keGIRb6A">https://youtube.com/playlist?list=PLXih1JTloTlOT1Ay4ZryJn15keGIRb6A</a> </li> </ul>   |