

Lesson Plan 5. Healthcare Tools & Techniques

Target Grade(s)	9 th – 12 th 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"> Students will learn up to ten basic nursing skills and the tools that expand senses to capture required data. Students will understand how nurses are primarily responsible for data collection through patient assessment that informs appropriate action for care.
National Health Science Foundation Standards	<p>2.1.3 Distinguish between subjective and objective information.</p> <p>2.1.5 Modify communication to meet the needs of the patient/client and to be appropriate to the situation.</p> <p>7.1 Infection Control</p> <p>7.1.1 Explain principles of infection transmission.</p> <p style="padding-left: 40px;">c. Recognize chain of infection</p> <p style="padding-left: 40px;">d. describe mode of transmission.</p> <p>10.1 Technical Skills</p> <p>10.1.1 Demonstrate procedures for measuring and recording vital signs in both normal and abnormal ranges.</p>
VT AOE Transferable Skill(s)	<ul style="list-style-type: none"> <i>Informed and Integrative Thinking</i> - Analyze real-life situations, data, patterns, texts, artifacts, or other products using knowledge from other disciplines and situations. <i>Clear and Effective Communication</i> - Present my ideas coherently, with a logical sequence.
Sequence & Duration	<ul style="list-style-type: none"> INTRO – Group Brainstorm: From students’ prior knowledge and life experiences, make a list of all the skills and responsibilities of a nurse. Activity 1 – Full group viewing of Video 1 – Assess the Scene. Teacher explains activity rotations and tasks. Activity 2 - Nursing Tools and Techniques – Lesson Delivery Options <ul style="list-style-type: none"> ✓ 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. ✓ 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. Closure – Quiz Game by Teams Reflection – Exit Card Prompt: <i>The nursing skill I found most interesting was...</i>

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