**Big Ideas/Key Concepts:** Career Planning and Professionalism: 
Students will investigate the many career options available involving diagnostic medicine. Students will explore the many options and trends that can affect their future job opportunities as well as personal needs and goals that help in building rewarding healthcare careers.

Clinical Laboratory: The students will use specialized procedures and equipment to determine the causes and cures of diseases. They will use reagents, chemicals, and laboratory equipment to test body fluids and tissues.

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<th>Standards</th>
<th>Student Friendly “I Can” Statements</th>
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| **Career Planning**  
1) Revise the career information portfolio developed in the Health Science Education course and update with more in-depth information surrounding careers in diagnostic sciences. (TN Reading 1, 2; TN Writing 2, 9) | I can identify specific roles and responsibilities for various careers in this field. |
| **Professionalism**  
2) Summarize the Health Insurance Portability and Accountability Act (HIPAA), in particular those aspects related to maintaining confidentiality, patient rights, patient safety, and other ethical/legal directives governing medical treatment and accurate definitions of legal concepts, explain how the content of these ethical/legal ramifications affects patients’ rights for all aspects of care. (TN Reading 1, 2, 4, 5; TN Writing 2) | I can Investigate and compare the range of skills, competencies, and professional traits required for such careers. |
| **Clinical Laboratory**  
18) Outline the in-depth normal structure and function of blood and related components. Summarize appropriate medical text(s) in order to list signs and symptoms of common blood diseases and disorders associated with each. Define the following common laboratory | I can compare the professional requirements of healthcare careers to my current individual strengths and identify opportunities for personal development. |

I can use medical terminology to communicate effectively.

I can summarize HIPAA and discuss legal aspects of providing medical treatment.

I can explain the difference between various forms of advanced directives utilized in the delivery of medical care.

I can demonstrate how to maintain patient confidentiality.

I can perform an intravenous blood draw on a mannequin using standard phlebotomy techniques.
procedures, both normal and abnormal, and provide the reasoning for why the test should be obtained:
  a. Complete Blood Count
  b. Complete Metabolic Panel
  c. Fasting Lipid Panel
  d. Hgb A1C (TN Reading 3, 4, 9; TN Writing 8, 9; TN A&P 4)

19) Develop a graphic organizer or concept map to explain the functions of the various departments of a medical laboratory, such as microbiology, chemistry, hematology, blood banking, and urology. Include types of fluid samples and test that are performed in each area with a detail of the precautions involved when handling each. (TN Reading 3, 4; TN Writing 6)

20) Understand principles of and successfully perform skills of a phlebotomist, incorporating rubrics from National HOSA, textbooks, or clinical standards of practice.
   a. Distinguish sites and/or veins for blood draws in all populations using the required equipment and safety precautions.
   b. Perform collection procedures for micro specimens and venipuncture on a mannequin using appropriate collection containers and identifying factors affecting collection/test results.
   c. Provide guidelines for obtaining blood from neonates, pediatrics, and geriatrics.
   d. Perform skills of patient/specimen identification and transporting of specimens. (TN Reading 3, 4)

I can perform a hematologic blood typing test and explain how antisera is used to determine a sample's specific blood type.

I can demonstrate how to use a blood glucometer.

I can demonstrate the steps undertaken when performing a basic urinalysis evaluation.