Common Core Standards:

*Literacy in Science & Technical Subjects (Grades 6-12)*

2. Determine the central ideas or conclusions of a text; trace the text’s explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.

4. Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to *grade specific texts and topics*.

7. Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.

10. Read and comprehend science/technical texts in the grade level’s text complexity band independently and proficiently

*Math Standards*

*Equations & Expressions (Grade 6)*

A2. Write, read, and evaluate expressions in which letters stand for numbers.

*Equations & Expressions (Grade 7)*

A4. Use variables to represent quantities in a real-world or mathematical problem and construct simple equations and inequalities to solve problems by reasoning about the quantities.
Curriculum Standards
Forensic Pathology

Next Generation Science Standards

High School Physics

HS-PS3-1 Create a computational model to calculate the change in energy of one component in a system when the change in energy of the other component(s) and energy flows in and out of the system are known

Virginia Standards of Learning (SOL)

Biology
BIO.1 The student will demonstrate an understanding of scientific reasoning, logic, and the nature of science by planning and conducting investigations in which
   b) hypotheses are formulated based on direct observations
   d) graphing and arithmetic calculations are used as tools in data analysis;
   e) conclusions are formed based on recorded quantitative and qualitative data;
   f) sources of error inherent in experimental design are identified and discussed;
   h) chemicals and equipment are used in a safe manner;
   j) research utilizes scientific literature;
   m) current applications of biological concepts are used.

Physics
PH.2 The student will investigate and understand how to analyze and interpret data. Key concepts include
   a) a description of a physical problem is translated into a mathematical statement in order to find a solution;

PH.4 The student will investigate and understand how applications of physics affect the world. Key concepts include
   a) examples from the real world

Virginia Career & Technical Education Competencies

Forensic Technology

111. Define cause, manner, and mechanism of death
112. Compare the coroner and medical examiner systems and responsibilities