SUBJECT: Wood Technology	**GRADE: 9-12**
Unit Title: Introduction to Wood Technology	Time Frame: Days 1-8

UNIT OVERVIEW

Students will be able to:
Describe what technology is
Describe what wood technology is
Identify the effects of technology on our world
Apply the problem solving process
Identify the importance and need for Wood technology in everyday living

LRG SKILLS AND DISPOSITIONS	**PA STANDARDS**
Continual Learning & A Growth Mindset: Introductory course information (D2C)	3.1.10ABCDE 3.2.10D 3.6.10BC 3.7.10AB 3.8.10BC

COMPETENCIES	**LEARNING TARGETS**
Nature and Characteristics of Technology and Engineering	• I can develop a plan that incorporates knowledge from science, mathematics, and other disciplines to design or improve a technological product or system. (K1TEB1M5)
Core Concepts of Technology and Engineering	• I can analyze the stability of a technological system and how it is influenced by all the components in the system, especially those in the feedback loop. (K1TEB2M3)

History of Technology	• I can relate how technological development has been evolutionary, often the result of a series of refinements to basic inventions or technological knowledge (K1TEB6M1)

SUBJECT: Wood Technology	**GRADE: 9-12**
Unit Title: Safety in the Lab Setting	Time Frame: Days 8-15
UNIT OVERVIEW	
Students will be able to: Safely use different types of machinery to construct their projects Identify different machines Safely use different power tools	
LRG SKILLS AND DISPOSITIONS	**PA STANDARDS**
Honesty, Integrity, & Responsibility: Safety Demonstrations (D3C)	3.1.10ABCDE 3.2.10D 3.6.10BC 3.7.10AB 3.8.10BC
COMPETENCIES	**LEARNING TARGETS**
Core Concepts of Technology and Engineering	• I can implement quality control as a planned process to ensure that a product, service, or system meets established criteria (K1TEB2M6)

SUBJECT: Wood Technology	**GRADE: 9-12**
Unit Title: Building in the Lab	Time Frame: Days 15-90

UNIT OVERVIEW

Students will be able to:
Follow a given set of plans to create a project
Plan and execute the steps needed to finish a project
Determine what tools/ machines/ processes should be utilized to finish a project

LRG SKILLS AND DISPOSITIONS	**PA STANDARDS**
Resilience & Grit: Working in the lab environment (D4C) Critical Thinking & Problem Solving: Working in the lab environment (S4C) Creativity & Innovation: Working in the lab environment (S3C)	3.1.10ABCDE 3.2.10D 3.6.10BC 3.7.10AB 3.8.10BC
COMPETENCIES	**LEARNING TARGETS**
Design in Technology and Engineering Education	• I can apply principles of human-centered design (K1TEB7M4) • I can apply a broad range of design skills to their design process (K1TEB7M7) • I can apply a broad range of making skills to their design process (K1TEB7M8)