

Standards-Based Unit of Study Template

Unit Title _Wall Construction_____

Teacher __Samuel Evans_____ **Course** Agriculture

Construction Skills_____

Grade Level 11 and 12_____ **Approximate Length of Unit** _____

Unit Organizer –a statement or question that communicates the content standards in a way that **engages** students by **connecting learning** to prior knowledge, skills, experiences, beliefs, and/or customs.

Why is building a sound wall important?

Standards Addressed

Standards – Program of Studies, Core Content for Assessment ([Combined Curriculum Document](#)), [Kentucky World Languages Framework](#), [English Language Proficiency](#), [Technology Student Standards](#), [Kentucky Occupational Skill Standards](#), ACT College Readiness Standards, College Board Advanced Placement (AP), International Baccalaureate (IB)

Targeted Standards- content and skills/processes to be taught and assessed

Program of Studies/Process Statement

- Demonstrate safe usage of hand woodworking and metal working tools
- Demonstrate safe usage of portable and stationary power mechanics

Academic Standards

2.1 Students understand scientific ways of thinking and working and use those methods to solve real-life problems.

5.1 Students use critical thinking skills such as analyzing, prioritizing, categorizing, evaluating, and comparing to solve a variety of problems in real-life situations.

2.3 Students identify and analyze systems and the ways their components work together or affect each other.

2.37 Students demonstrate skills and work habits that lead to success in future schooling and work.

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AA 001 Read and process information and follow instructions.

AA 008 Demonstrate understanding of basic interpersonal communication (listening, written, oral, etc.)

AA 010 Demonstrate the characteristics of a team player.

EA 001 Demonstrate consistently punctual arrival.

EA 013 Work with minimal supervision.

EC 005 Identify possible actions that may lead to customer dissatisfaction.

EC 006 Identify the ways that the level of customer satisfaction may affect company success.

EC 009 Identify the effect of quality on profit.

EC 010 Identify the effects of continuous quality improvement.

ED 002 Interpret and clarify directions prepared by others.

OK 001 Identify criteria in selecting materials in agricultural construction/fabrication.

OD 002 Ensure the presence and function of safety systems and hardware on tools and equipment.

OE 004 Demonstrate safe practices and regulations in the operation of power units and equipment.

AFNR

PST .04 Performance Element: Plan, build and maintain agricultural structures.

organizations, inter-organizational systems, and the larger environment.

PST .02 Performance Element: Design, operate and maintain mechanical equipment, structures, biological systems, land treatment, power and technology.

Supporting Standards - content that is relevant to the unit but may not be assessed; may include connections to other content areas

Program of Studies Content/ Process Statement

- Demonstrate employability and social skills relative to the career cluster
- Investigate materials used in, location and arrangement of Agriculture structures and enclosures

Academic Standards

1.1 Students use reference tools such as dictionaries, almanacs, encyclopedias, and computer reference programs and research tools such as interviews and surveys to find the information they need to meet specific demands, explore interests, or solve specific problems.

2.36 Students use strategies for choosing and preparing for a career.

2.38 Students demonstrate skills such as interviewing, writing resumes, and completing applications that are needed to be accepted into college or other post-secondary training or to get a job.

2.30 Students evaluate consumer products and services and make effective consumer decisions.

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AA 004 Use correct spelling, grammar, and punctuation.

AA 007 Possess basic computer skills.

ED 003 Communicate with customers.

OL 006 Identify insulation materials and methods to achieve desired R-value.

AA 006 Demonstrate knowledge of conflict resolution techniques.

AFNR

CS .03 Performance Element: Career Success: Demonstrate those qualities, attributes and skills necessary to succeed in, or further prepare for, a chosen career while effectively contributing to society.

What Do Students Have To Know and Be Able To Do in Order to Meet the Targeted Standards?

*The targeted standard(s) should be deconstructed to determine what students should know and be able to do (learning target). **Once the targets are determined, formative and summative assessments are developed and aligned with learning targets.***

Students will know: Knowledge Targets

- Be able to identify: stud, cripple, tremor, header, sole plate, top plate, fire blocks
- Understand how to properly operate tools
- Know safety skills

Students will be able to do: Skill Targets

- Be able to use power tools
- Be able to measure
- Be able to construct a corner
- Be able to properly install a window
- Be able to properly install a door
- Be able to properly install siding of a wall

Students will be able to: Reasoning Targets

- Be able to lay out a wall

Students will be able to show: Product Targets

- Be able to construct four walls.

Summative/End of Unit Assessment - the final assessment piece of the unit which should evaluate student progress in achieving each of the targeted standards.

Does the assessment:

- assess all targeted standards?
- align to Depth of Knowledge level?
- demonstrate critical thinking skills?
- demonstrate learning in different ways?
- allow for diverse needs of students?