

KPBSD Middle School and High School Construction I, II, & III Curriculum 2017

Industry Standards	
SKILLS USA CONSTRUCTION STANDARDS	Transfer Goals
<p style="text-align: center;">Construction I, II, & III</p> <ol style="list-style-type: none"> 1. Demonstrate safe shop and on site practices for self and others. 2. Demonstrate proper selection of appropriate construction materials. 3. Demonstrate proper use and maintenance of carpenters' tools and equipment. <p style="text-align: center;">Construction II & III</p> <ol style="list-style-type: none"> 4. Work productively in teams while using cultural/global competence. <p>ALASKA STANDARDS ALIGNMENT: Construction</p>	<p>Students will be able to independently use their learning to...</p> <p>Construction I, II, & III</p> <ul style="list-style-type: none"> • Safely and properly use wood working equipment in the construction of projects. • Work positively in a productive and collaborative manor. <p>Construction II & III</p> <ul style="list-style-type: none"> • Create and/or interpret construction plans and accurately build to current code. • Identify and install appropriate materials for building projects. (Such as interior walls, floor coverings, finishes, and fixtures.)
Meaning	
<p style="text-align: center;">ENDURING UNDERSTANDINGS</p> <p>Students will understand...</p> <p>Construction I, II, & III</p> <ul style="list-style-type: none"> • The proper use of wood working equipment will ensure their safety. • Each tool has its own purpose. • Material choice influences quality and costs of finished product. <p>Construction II & III</p> <ul style="list-style-type: none"> • Different building types are chosen based on site location. • Building codes are necessary for the safety of the individual and longevity of the structure. • A wide variety of career pathways are associated with the construction industry. 	<p style="text-align: center;">ESSENTIAL QUESTIONS</p> <p>Students will keep considering...</p> <p>Construction I, II, & III</p> <ul style="list-style-type: none"> • What are important safety rules required to complete construction projects? • Which tool is appropriate for each process? • How do I know which materials will best meet the need of my project? <p>Construction II & III</p> <ul style="list-style-type: none"> • What are the appropriate building types based on the geographical location? • Why are building codes necessary? • What are various careers associated with the construction industry?
Acquisition	
<p>Students will know...</p> <p>Construction I, II, & III</p> <ul style="list-style-type: none"> • Specific safety procedures for machines, equipment, and tools. • Mathematical equations and measurement tools that solve design issues. <p>Construction II & III</p>	<p>Students will be skilled at...</p> <p>Construction I, II, & III</p> <ul style="list-style-type: none"> • Completing projects safely using the proper technology. • Using measurement tools accurately such as a tape measure. <p>Construction II & III</p>

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	<ul style="list-style-type: none"> • Where to access and interpret the building codes. • Terms associated with site selection and design. • Proper selection of building materials influence the quality of the project. 	<ul style="list-style-type: none"> • Building to code. • Explaining terms associated with site selection and design. • Selecting and installing the proper building materials. (Such as insulation, flooring, interior wall, and ceiling coverings.)
Evidence		
Evaluative Criteria	Assessment Evidence	
Written Tests	Students will pass a written safety test with a score of 80% or better.	
Performance Tests <ul style="list-style-type: none"> • Accurate measurements, quality finish, proper choice of material, and cost. • Proper selection of materials based on site location. 	Construction I, II, & III <ul style="list-style-type: none"> • Students will pass safety performance tests with a score of 100%. • Building simple construction projects such as: cutting boards, bird houses, signs, coat racks, boxes, end tables, and head boards. Construction II & III <ul style="list-style-type: none"> • Building materials meet with current building code. 	
Resources		
SkillsUSA.org NCCER Core CCTC #12		