



Course Syllabus

Franklin High School		2020-2021
DIRECTIONS: For each course, complete the syllabus and share with your evaluating/supervising administrator as a pdf ("File-download-PDF document") by 9/28/20 . Syllabi will be posted on the FHS website under your name for the public to view.		
Course Overview		
NOTE: For core classes, all elements of this section (except for name and contact information) are the same.		
Course Title: Intro to Industrial Technology		
Instructor Name: Dan Silvernail	Contact Info: dsilvernail@pps.net	
Grade Level(s): 9-12		
Credit Type: Elective	# of credits per semester: .5	
Prerequisites (if applicable): None		
General Course Description: Student will be introduced to the woodworking and construction industries while learning basic skills in woodworking and construction via online lessons, 3d computer modeling, independent research and, where feasible, home based shop projects.		
<u>Prioritized National/State Standards:</u> This class incorporates basic skills which are prerequisites for continuing on to training for careers in carpentry and/or woodworking via apprenticeships or college.		
Course Details		
<i>Learning Expectations</i>		
Materials/Texts: Will be provided online. Student is expected to have a notebook for taking notes during online lessons.		
Course Content and Schedule:		
CORE COMPETENCIES , over the first 3-4 weeks: <i>Upon completion of class, the student will:</i> <ul style="list-style-type: none">• Read a tape measure to the nearest 1/16"• Have a basic understanding of the materials used in carpentry and woodworking• Be able to identify and list the purpose and safety procedures for basic woodworking and carpentry hand tools.• Be able to fill out a bill of materials for a basic project when given a set of drawings.• Be able to model a basic item consisting of at least 4 parts in SketchUp.		
STUDENT LED LEARNING PATHS: <i>In addition to the CORE COMPETENCIES above, the student will choose from one or all of the following subject areas:</i>		
<u>Woodworking.</u> If able, students will work on one or more woodworking projects at home or other off-site location by approval of the teacher and parents/guardians/		



Building systems. Via online lessons and research, students will learn about the systems that make up a residential structure.

Architectural drafting Students will learn basic architectural design and drafting skills and become familiar with residential construction norms and standards via completion of a set of drawings for a simple structure.

Computer aided 3d modeling Students will expand upon the basics of SketchUp by modeling items of greater complexity.

Differentiation/accessibility strategies and supports (TAG, ELL, SpEd, other):

Differentiation and accommodation are handled on a student by student basis. Examples include alternate projects, supplemental training material such as step by step worksheets, physical models, individual instruction during asynchronous times and breaking down of projects into small steps.

Safety issues and requirements (if applicable): Students will learn safety procedures for shop and on site construction projects. Students who work on home based shop projects must have a permission form signed by parents or guardians.

Classroom norms and expectations:

Students will sign in on time to all synchronous sessions.
Students will check in during all asynchronous sessions.
Students will keep a journal of all student led learning activities.

Evidence of Course Completion

Assessment of Progress and Achievement:

Students will be graded on:

- Scores on tests, quizzes and assignments.
- Completion of student led project or projects.

Student led projects will be assigned a point value based on level of complexity.

Progress Reports/Report Cards (what a grade means):

A: 90-100%

B: 80-89%

C: 70-79%

D: 60-69%

F: under 60%

Career Related Learning Experience (CRLEs) and Essential Skills:

Students will learn about careers in construction and woodworking. Class content aligns with Pacific NW Carpenters' Institute's pre-apprenticeship program.

Communication with Parent/Guardian

What methods are used to communicate curriculum, successes, concerns, etc.?

Primary method of communication will be via email unless other arrangements (on a case by case basis) are made.

Personal Statement and other needed info

The Franklin High School construction program aims to engage all interested students via a wide range of learning activities related to construction and/or woodworking.

