Providence Career & Technical Academy

General Construction 2

Syllabus

Instructor Name: Rick Goyette **Time Frame: 2019-2020**
Email:

Course Description Students will continue with the LiUNA Chapter 74 framework with a heavy focus on Strand 2 and skills that will be evaluated during both the masonry and welding SkillsUSA competition.

Common Core Standards Addressed:

CTE Strand	Conceptual Category and Domain Code Learning Standard Number	Text of Mathematics Learning Standard
2.B.01	N-Q1 G-SRT1	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays. Verify experimentally the properties of dilations given by a center and a scale factor.
2.C.01	G-GPE7	Use coordinates to compute perimeters of polygons and areas of triangles and rectangles, using the distance formula.
2.F.01	N-Q1	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.
2.L.01	2. Energy Resources in the Earth System 2.2	Describe the effects on the environment and on the carbon cycle of using both renewable and nonrenewable sources of energy.

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Required Textbooks, Reading and Supplementary Materials

-LiUNA training manuals to be provided in class and for homework by assignment.
-Teachweld Welding Simulator to be used in class
-Bergwall Masonry Series Videos
- Khan Academy

Assignment and Examination Schedule

Assignment	Date/Hours
Project Based Learning Greenhouse	40 hours
Scaffolding and Fall Safety	8 hours
Carpentry Rafters and Joists	8 hours
Wall Covering /Taping / Jointing	8 hours
Quarter 1 Mid Term /	October 10th
Commercial Exterior Trim	14 hours
Stucco Wall Finish	26 hours
Individual Supplementary Math	18 hours
Quarter 1 Final Exam	Nov 6st
Skills USA Tasks Masonry Track	40 hours
Skills USA Tasks TeamWorks Track	40 hours
Quarter 2 Mid Term	Dec 12th
Skills USA Teamworks Competition	15 hours
Skills USA Masonry Competition	15 hours
Quarter 2 Final Exam	Jan 22nd
OSHA 10	22 hours
Training Video Design	12 hours
Training Video Shoot	12 hours
Quarter 3 Mid Term (video submission)	March 13th
Individual Supplementary Math	10 hours
Training Video Design 2	32 hours
Training Video Shoot	24 hours
Quarter 3 Final Exam (video submission)	March 31st
Oxyacetylene Torch Cutting and Burning	20 hours
Project Based Learning Greenhouse	50 hours
Quarter 4 Mid Term	May 22nd
Concrete Placement and Finishing	40 hours

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Quarter 4 Final Exam	June 10th

Grading Policy:

Students are encouraged to come to class prepared, do their homework and participate in all class activities. However in an effort to measure students true knowledge only assessments will be used to calculate the score of all students. Assessments are end of units, end of chapters, projects, tests and quizzes. Summative assessments are worth **65%** and formative assessments are **20%** of students' final grade. Homework, and Employability Skills will be counted as **15%** of the assessment that it supports. Employability Skills are defined as those necessary to attain and maintain employment. These skills include timeliness, in uniform, and maintaining safety at all times. Any student who obtains a score of less than 70% in any classroom assessment will be qualified to retake the assessment *only after he/she completes all necessary preparatory assignments. Employability Skills are assessed over the course of each week in shop and while the grade can always be improved it can't be replaced.*

Project Based Learning:

The school has adopted Project Based Learning as a best practice where several academic and CTE standards are addressed, taught, and assessed. There may be times during the year where projects incorporate several objectives and the course will not take on a linear trajectory. Rest assured these projects create a "need –to-know" environment where academic subjects and CTE skills are highlighted as relevant in every-day construction tasks.