Jefferson County High School Course Syllabus

- A. Course Fundamentals of Construction
- B. Department Career and Technical Education
- C. Course Description Fundamentals of Construction is a course that covers essential skills and concepts required for careers in the construction trades, including safety, tools, construction math and other basic skills in the construction industry.
- D. Grade Term <u>Semester</u>
- E. Grading Scale

	Honors/		
Range Page 1	<u>Regular</u>	College-Level	<u>A.P.</u>
93-100 A	4.0	4.5	5.0
85-92 B	3.0	3.5	4.0
75-84 C	2.0	2.5	3.0
70-74 D	1.0	1.5	2.0

- F. Term Dates
 - a. 1st 9 Weeks August 5, 2016 October 7, 2016
 - b. 2nd 9 Weeks October 8, 2016 December 16, 2016
 - c. 3rd 9 Weeks January 5, 2017 March 15, 2017
 - d. 4th 9 Weeks March 16, 2017 May 25, 2017
- G. Textbook(s) Core Curriculum, Contern Learning Series, Prentice Hall, 2009
- H. Other Required Reading
 - a. Classroom copies as assigned
 - b. News articles and on-line research as assigned
- I. Other Resources
 - a. Odysseyware
 - b. Industry Resources as Assigned
- J. Major Assignments
 - a. Daily Work + Student Portfolio
- K. Procedures for Parental Access to Instructional Materials
 - a. Aspen Parent Portal
 - b. Instructor's Website

- c. Email Instructor
- d. Parent Teacher Conference
 - a. There are two designated conference dates during the school year. Parents who would like to request additional meetings may make appointments for conferences with the teachers (during their planning periods), counselors, or a principal by telephoning the school office.

L. Field Trips

- **a.** Any schedule fieldtrip will have a definite educational purpose and will reflect careful planning. Signed permission forms will be obtained when an off campus trip is planned.
- **b.** Skills USA as Approved

M. Standards & Objectives

1st Nine Weeks

- a. I can identify safety hazards and practice safe working habits.
- b. I can practice general machine and tool safety.
- c. I can follow given safety procedures and adhere to the HazCom protocol.
- d. I can investigate the history of construction.
- e. I can utilize resources from NCCER and other industrial organizations.
- f. I can research basic industry regulations.
- g. I can research major construction related professions.
- h. I can investigate major trends in the construction industry.
- i. I can evaluate job data and projections on a local, national, and global scale.
- j. I can use measurement devices to produce accurate measurements of length.
- k. I can interpret linear and angular layouts to complete a project.
- 1. I can apply mathematics principles to construction work.

2nd Nine Weeks

- m. I can accurately identify a wide range of hand and power tools.
- n. I can assess a variety of situations where hand and power tools are used.
- o. I can compare and contrast the properties of basic construction materials.
- p. I can distinguish between various fasteners.
- q. I can identify major building systems and describe their purpose.
- r. I can interpret construction drawings and diagrams.
- s. I can describe the purpose of specifications, standards and codes.
- t. I can create two-dimensional drawings.
- u. I can determine the correct materials for building, based on plans and specs.
- v. I can create a construction class portfolio.