**Course Name**

**East Ridge High School**

**2017 - 2018**

**Instructor:** Name: Jack Noblit

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 Available after school: by Appointments only. Confirm date and time before appointment.

\*Asterisk denotes teacher’s preferred way of communication.

**Course Description**

Fundamentals of Construction covers the basic skills associated with construction work and the proper safety procedures to complete a project. Students will learn how to maintain a culture of safety consistent with OSHA regulation as well as common sense. Students will learn about various tools commonly used in the construction industry and how to operate them safely. Students will also learn about the history of construction as well as the direction the industry is heading, like “green” building technology. Students will also learn of various employment opportunities that fall under the umbrella of the construction industry.

**Course Policies**

Safety will be the paramount goal of the course and class rules reflect that goal. The classroom is also the shop so rules apply to both situations. Make-up work will be granted on the instructor’s discretion on paper work, but will not be granted for hands-on work.

**Assessments and Grading**

Tests will be multiple choice and true/false

Daily grades will given on hands-on work days based on participation

A 2 page research paper on the history of pluming innovations

Your grade will be calculated as shown below:

Grading formula for each 9-week’s grade:

· Teaching tasks other than tests 60%

Daily assignments and measuring assignments

·Research paper (2nd 9 weeks only) 20%

 Assessments and Tests 20%

**Grade Calculations for high school courses without a state-level test:**

· 1st Nine Weeks – 40%

· 2nd Nine Weeks – 40%

· Exam – 20%

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**Course Topics and Schedule by Semester**

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| **Week** | **Semester 1** | **Topic** | **UbD** |
| 1 |   |  Safety  |  1 |
| 2 |   |   |   |
| 3 |   |   |   |
| 4 |   |  Tools and equipment |  2 |
| 5 |   |   |   |
| 6 |   |   |   |
| 7 |   |  Intro to measurements |   |
| 8 |   |  Math |   |
| 9 |  **(End of 1st quarter)** |  |  |
|   |   | **Fall Break** |  |
| 10 |   |  Building systems |   |
| 11 |   |  Construction drawings |   |
| 12 |   | Intro to industry, Career exploration |   |
| 13 |   |  History |   |
| 14 |   | Work projects |   |
| 15 |  (Thanksgiving) |   |   |
| 16 |   |  |   |
| 17 |   |  Research paper due |  12/15 |
| 18 |  **(End of Semester 1)** |   |   |
|   |  |   |   |

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| **Week** | **Semester 2** | **Topic** | **UbD** |
| 1 |   |  Safety |   |
| 2 |   |   |   |
| 3 |   |   |   |
| 4 |   |  Tools and equipment |   |
| 5 |   |   |   |
| 6 |   |   |   |
| 7 |   |  Intro to measurements |   |
| 8 |   |  Math |   |
| 9 |   |   |   |
| 10 |   |  Building systems |   |
| 11 |  **(End of 3rd quarter)** |  Construction drawings |   |
|   | **March** | **Spring Break** |  |
| 12 |   |  Intro to industry, Career exploration |   |
| 13 |   |  **History** |  |
| 14 |   |  Work projects |   |
| 15 |   |   |   |
| 16 |   |   |   |
| 17 |   |  Research paper due |   |
| 18 |   |   |   |
| 19 |   |   |   |
| 20 | **May 22-26 (End of 4th quarter)** |   |   |
|   |  |   |   |