**Gibbs High School**

**Fundamentals of Construction**

**COURSE OUTCOME:**

* Construction Core is a course that will introduce students to basic skills and knowledge applicable to all construction trades. Topics covered included safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and application of algebraic and geometric principles to construction problems.
* Hyperlink to state standards, competencies:

[*www.state.tn.us/education/*](http://www.state.tn.us/education/) (state standards)

[*www.nccer.org*](http://www.nccer.org)(local curriculum)

**INSTRUCTION:**

* **Topics/Competencies/Skills Covered**
  + Construction Safety
  + Math for Construction
  + Use of Hand Tools
  + Use of Power Tools
  + Blueprints
  + Basic Rigging
  + Communication Skills
  + Employment Skills
  + Materials Handling
* **Pacing Guide:**

Weeks 1 & 2 Construction Safety

Weeks 3 & 4 Math for Construction

Weeks 5 & 6 Hand Tools

Weeks 7 & 8 Power Tools

Weeks 9 & 10 Blueprints

Weeks 11 & 12 Rigging

Weeks 12 & 13 Communication

Week 14 Employment Skills

Week 15 Materials Handling

Weeks 16 & 18 Final projects, close shop and exam prep

* **Materials Needed**
  + notebook paper
  + binder/folder
  + safety glasses and hand tools will be provided
* **Fees-**

Optional fee of $15.00 if student wishes to join CTSO club (SkillsUSA)

* **Resources**
  + Construction Core textbook (NCCER)
  + Videos
  + Hands on practice
* **Safety Procedures**
  + Students must have instructor permission before using any hand or power tools.
  + Students shall abide by all Gibbs High School rules.
  + No reckless activities or horseplay allowed.

**ASSESSMENT:**

* **Expectations/Skills/Competencies** 
  + Students must pass a safety test with 100% accuracy.
  + Students will master class competencies.
* **Grading Policy/Rubrics** 
  + Daily classroom assignments and activities are 90% of grade.
  + End of course exam is 10% of grade.

Grading Scale

A 93-100

B 85-92

C 75-84

D 70-74

F 0-69

* **Explanation of Assignments**
* Assignments are based upon state competencies.
* Hands on assignments will be graded by work and safety habits as well as quality of project.
* **Make-Up Work Policy** - Students should request make-up assignments on day of return to school. Make-up assignments should be turned in within three school days.
* **Portal Post Policy** - Grades will be updated once per week in order to provide student progress update.

**GENERAL EXPECTATIONS:**

* **Students:**
* **Attendance Policy** - Students are expected to attend all class sessions.
* **Classroom Policy :** 
  + All students are expected to honor instructor’s first request.
  + Students must adhere to school tardy policies.
  + Students are expected to be prepared for daily class activities.
  + Students must obey all safety rules.
  + Student notebook are to be kept updated and in order.
* **Honor Code** – Be dependable and trustworthy.
* **Teacher:**
  + **Communication Strategy:**

Office hours: 8:00 – 3:45 Monday – Friday.

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