**Gibbs High School**

**Electrical Systems 6075**

**COURSE OUTCOME:**

This course prepares students with entry level skills for residential electrical careers. Students will be able to implement safety procedures and determine materials and procedures needed to complete a project.

* Hyperlink to state standards, competencies:

*http://www.tn.gov/educations/cte/ArchitectureConstruction.shtml*

**INSTRUCTION:**

* **Topics/Competencies/Skills Covered**
  + Electrical Safety
  + Tools and Equipment
  + Construction Principles
  + National Electrical Code
  + Device Boxes
  + Hand Bending
  + Raceways
  + Conductors and Cables
  + Construction Drawings
  + Residential Services
  + Basic Maintenance
  + Power Systems
  + Business Management
  + Portfolio
* **Pacing Guide:**

Weeks 1 & 2 Electrical Safety

Week 3 Tools and Equipment

Week 4 Construction Principles

Week 5 National Electrical Code

Week 6 Device Boxes

Weeks 7-8 Hand Bending

Week 9 Raceways

Week 10 Conductors and Cables

Week 11 Construction Drawings

Weeks 12-13 Residential Services

Week 14 Basic Maintenance

Weeks 15-16 Power Systems

Week 17 Business Management

Week 18 Portfolio

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

Optional fee of $15.00 SkillsUSA club membership

* **Resources**
  + NCCER text
  + Videos
  + Student projects
* **Safety** 
  + All students shall pass written safety tests and demonstrate the ability to practice safe working procedures.
  + All students must wear safety glasses in the shop area.

**ASSESSMENT:**

* **Expectations/Skills/Competencies** 
  + Competency based assignments and projects will determine student grade achievement.
* **Grading Policy**
  + Knox County Schools grading scale will apply to this course
* **Make-Up Work Policy** – Upon return to school students have three days to request make-up work assignments.
* **Parent Portal** - Grades will be updated once per week in order to provide student progress update.
* **Testing** – Chapter tests/quizzes and class projects = 85% End of Course exam = 15%

**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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