**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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