



Program Syllabus and Classroom Procedures

Beaufort-Jasper Academy for Career Excellence

Electricity

Mr. Ferguson

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Course Description

The Electricity Program is designed to prepare students for entry-level employment as an electrician, electrician helper or in a related occupation. Electricity students receive instruction in communication skills, leadership skills, human relations, and employability skills, safety, effective work practice, installation and repair of residential and industrial electrical systems. Laboratory activities provide instruction in all phases of residential, commercial and industrial wiring in accordance with the National Electric Code

This program follows the South Carolina State Standards for Electricity

Industry Certifications Available:

Level I & II: NCCER Core OSHA

Level III & IV: NCCER Electricity

Program Dress Code

Students will be expected to be prepared for work every day. Program dress is as follows: No Crocs, Slides, Flip Flops or Slippers while in the shop area. Students are required to always wear safety glasses. All students will adhere to Beaufort Jasper Academy for Career Excellence rules and policies. Students are allowed to wear jeans, shorts no hoodies, Ace uniform and feeder school uniform.

Expectations for Class

Be respectful, responsible, honest, and have the desire to learn. Student accountability is an important part of the Electricity Program be responsible for your action. Students will work on collaborative and individual projects. Each student will engage in class assignments and shop assignments from starting bell to ending bell. I expect students place cell phone in lock box when entering the classroom and check the white for assignments

Discipline: ACE follows procedures for progressive discipline as outlined in the Beaufort-Jasper Academy for Career Excellence Student Handbook.

Cell Phones & Ear Pods

Phones will be collected by teachers and locked into a cell phone lock box at the start of each class. They will be returned to students at the conclusion of class. **Air Pods/Buds should never be worn in class or in the shop. No Exceptions.**

GRADING

All Grades are based on South Carolina State Standards

Level 1 & Level 3	Grade will be on based Theory Work
Level 2 & Level 4	Grade will be based on Application (Hands-On) Work
GRADING POLICIES:	
The semester grade is determined by the total points earned in each of the following areas and the number of points corresponds with a letter grade (outlined in the student handbook). The areas of evaluation and their weight toward the grade are as follows:	
A 100-90	B 89-80
C 79-70	D 69-60
F 59 or Below	AF- Attendance Failure
Summative Grades will account for 60%	Formatives Grade will account for 40%
The goal for summative assessment is to evaluate student learning at the end of an instructional unit.	The goal of formative assessment is to monitor student learning to provide ongoing feedback that can be used to improve as needed.
Missed Work Due to Absences:	
It is <u>the student's</u> responsibility to obtain the homework assignments, notes & any other pertinent information that is missed during an absence.	
Missed work due to an absence: Additional time (up to five school days) and full credit will be allowed for each day of a verifiable and excused absence. Exceptions will be made in unique, deserving situations as determined by the teacher and/or administrator.	
There is No Late Work at ACE:	
<u>Struggling to Complete Assignment</u> - Communicate this to your teacher. You will be scheduled for Remediation during our ACE Intervention Block	
<u>Refusal to Complete Assignment</u> - You will be assigned a Working Period during lunch, CTE or before or after school to complete the assignment. You applied to come to ACE and there is a waiting list. Failure to complete work is not an option.	

Employability Rubric:

Soft Skills are an essential part of each CTE Curriculum. ACE has instituted an Employability Rubric (below) which will count as a summative grade. In each program level a summative accountability rubric grade (which will be the same for each level) will be given 4 times in a semester (roughly every 4 weeks).

Statement for Academic Dishonesty:

Academic honesty is expected in all ACE classes. Cheating will not be tolerated. Consequences may include: reduction in grade on the assignment, repeat the assignment, no grade on assignment or others as deemed appropriate. Academic dishonesty will be reported to a school counselor, administration and a parent will be notified.

ACE EMPLOYABILITY RUBRIC				
Criteria	Skill Level			
	Exceeds Standard 20pts	Meets Standard 15pts	Needs Improvement On Standard 10pts	Does Not Meet Standard 5pts
Time Management	Consistently demonstrates exceptional time management skills, exceeding expectations.	Consistently demonstrates solid time management skills, meeting expectations.	Demonstrates inconsistent time management skills, needing improvement.	Fails to demonstrate effective time management skills.
Ability to meet deadlines and submit work on time	<ul style="list-style-type: none"> Prioritizes tasks effectively, consistently completing them ahead of schedule. Demonstrates exceptional organization, with tasks and deadlines clearly defined. Proactively seeks additional responsibilities, effectively managing additional workload. Rarely, if ever, requires reminders or extensions. 	<ul style="list-style-type: none"> Prioritizes tasks effectively, typically completing them on schedule. Maintains good organization, with tasks and deadlines generally well-defined. Manages workload effectively but may occasionally require reminders or extensions. Adapts well to changing priorities and workloads 	<ul style="list-style-type: none"> Struggles to consistently prioritize tasks, often missing deadlines. Lacks clear organization, leading to occasional confusion about tasks and deadlines. Requires frequent reminders and extensions to meet expectations. Shows limited ability to adapt to changing priorities and workloads. 	<ul style="list-style-type: none"> Consistently misses deadlines and lacks prioritization. Displays disorganization, often unable to identify tasks and deadlines. Regularly relies on reminders and extensions to meet expectations. Struggles to adapt to changing priorities and workloads.
Professionalism	Consistently demonstrates exceptional professionalism and uniform compliance, exceeding expectations	Consistently demonstrates good professionalism and uniform compliance, meeting expectations.	Demonstrates inconsistent professionalism and uniform compliance, needing improvement.	Fails to demonstrate professionalism and uniform compliance.
Behavior, attitude, personal presentation, uniform and appearance	<ul style="list-style-type: none"> Always in uniform Demonstrates a positive attitude and self-control Appropriate language use Demonstrates a positive and respectful attitude toward peers & instructors 	<ul style="list-style-type: none"> Adheres to dress code and uniform policies with few exceptions Mostly demonstrates a positive attitude, self-control Appropriate language use; Maintains a positive and respectful attitude towards peers & instructors 	<ul style="list-style-type: none"> Requires reminders and occasional correction to adhere to dress code and uniform policies. Seldom exhibits a positive attitude; Frequently uses inappropriate language. Occasionally displays a less than positive attitude towards peers & instructors 	<ul style="list-style-type: none"> Regularly violates dress code and uniform policies. Exhibits a poor attitude; Often uses inappropriate language. Consistently displays a negative or disrespectful attitude towards peers, instructors, and supervisors.
Communication	Consistently demonstrates exceptional communication skills, exceeding expectations.	Consistently demonstrates good communication skills, meeting expectations	Demonstrates inconsistent communication skills, needing improvement.	Fails to demonstrate effective communication skills.
Listening; oral and written; making sure message is received; prioritizing urgent communication	<ul style="list-style-type: none"> Communicates ideas and information clearly and concisely, both in writing and verbally. Actively listens to others, showing empathy and understanding in interactions. Effectively conveys complex concepts and ideas with clarity and precision. Demonstrates exceptional non-verbal communication, including eye contact, body language, and active engagement. 	<ul style="list-style-type: none"> Communicates ideas and information clearly, with minimal misunderstandings. Listens attentively and shows understanding in interactions with others. Conveys concepts and ideas with a reasonable degree of clarity. Displays adequate non-verbal communication, including appropriate eye contact and body language. 	<ul style="list-style-type: none"> Sometimes struggles to communicate ideas and information clearly, leading to misunderstandings. May need improvement in active listening, occasionally appearing disengaged in interactions. Conveys concepts and ideas with varying levels of clarity. Displays occasional issues with non-verbal communication, including inconsistent eye contact and body language. 	<ul style="list-style-type: none"> Consistently struggles to communicate ideas and information clearly, leading to frequent misunderstandings. Rarely engages in active listening and may appear disinterested in interactions. Often fails to convey concepts and ideas with clarity and precision. Consistently displays issues with non-verbal communication, such as limited or inappropriate eye contact and body language.

The Academy for Career Excellence does not discriminate on the basis of race, color, religion, national origin, sex, disability or age in its programs and activities. Inquiries regarding the non-discrimination policies should be made to: ACE Director, 80 Lowcountry Drive, Ridgeland, SC 29936, Telephone: (843) 987-8107; Special Needs Department Chair, ACE, 80 Lowcountry Drive, Ridgeland, SC 29936, Telephone: (843) 987-8107.

ACE EMPLOYABILITY RUBRIC				
Criteria	Skill Level			
	Exceeds Standard 20	Meets Standard 15	Needs Improvement On Standard 10	Does Not Meet Standard 5
Productivity & Quality	Consistently demonstrates exceptional productivity and quality, exceeding expectations.	Consistently demonstrates good productivity and quality, meeting expectations.	Demonstrates inconsistent productivity and quality, needing improvement.	Fails to demonstrate effective productivity and quality.
Strong work ethic; preparedness; quality of work	<ul style="list-style-type: none"> Always comes to class prepared & gives best effort Shows initiative in improving productivity and quality. Requires occasional supervision and corrections to maintain productivity and quality. Maximizes class time Always follows safety procedures and rules 	<ul style="list-style-type: none"> Regularly gives best effort Occasionally seeks opportunities to improve productivity and quality. Requires frequent supervision and corrections to maintain productivity and quality Regularly uses class time Follows most safety procedures and rules 	<ul style="list-style-type: none"> Frequently unprepared for class Shows limited initiative in improving productivity and quality. Regularly requires supervision and corrections to maintain productivity and quality. Poor use of class time seldom follows safety procedures and rules 	<ul style="list-style-type: none"> Often unprepared for class Rarely seeks opportunities to improve productivity and quality. Consistently requires extensive supervision and corrections to maintain productivity and quality. Wastes class time Never follows safety procedures and rules
Problem Solving & Troubleshooting	Consistently demonstrates exceptional problem-solving and troubleshooting skills, exceeding expectations.	Consistently demonstrates good problem-solving and troubleshooting skills, meeting expectations.	Demonstrates inconsistent problem-solving and troubleshooting skills, needing improvement.	Fails to demonstrate effective problem-solving and troubleshooting skills.
Critical thinking used to solve problems independently	<ul style="list-style-type: none"> Helps peers Approaches problems with a systematic and creative mindset, consistently producing innovative solutions. Effectively identifies, analyzes, and resolves problems in a timely manner. Proactively seeks opportunities to troubleshoot and resolve issues. 	<ul style="list-style-type: none"> Occasionally collaborates with other students Approaches problems with a logical and structured mindset, typically producing effective solutions. Identifies, analyzes, and resolves problems in a timely and efficient manner. Shows initiative in troubleshooting and resolving issues. 	<ul style="list-style-type: none"> Rarely collaborates with other students Sometimes struggles to approach problems in a logical and structured manner, leading to less effective solutions. Occasionally takes longer to identify, analyze, and resolve problems. Displays limited initiative in troubleshooting and resolving issues. 	<ul style="list-style-type: none"> Never collaborates with other students Approaches problems with a rudimentary level of logic and structure, producing basic solutions. May take longer to identify, analyze, and resolve problems, particularly with more complex challenges. Shows limited initiative in troubleshooting and resolving issues.

Outline of Topics Covered: Outline of Topics Covered throughout Year:

MONTH	WEEK	STANDARDS
JANUARY	1	Introductions, Expectations and Safety Begin OSHA
	2	MODULE A: BASIC SAFETY
	3	MODULE B: BASIC MATH`
	4	MODULE C: INTRODUCTION TO HAND TOOLS
	4	MODULE H: BASIC EMPLOYABILITY SKILLS
FEBRUARY	1	MODULE D: INTRODUCTION TO POWER TOOLS

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MONTH	WEEK	STANDARDS
MARCH	1	UNIT A- ELECTRICAL SAFETY
	2	UNIT B- HAND BENDING -
	3	UNIT C- FASTENERS AND ANCHORS
	4	UNIT D- ELECTRICAL THEORY ONE
APRIL	1	UNIT E- ELECTRICAL THEORY TWO
	2	UNIT F- ELECTRICAL TEST EQUIPMENT
	3	INTRODUCTION TO NATIONAL ELECTRICAL CODE
MAY	2	UNIT I- CONDUCTOR
	3	INTRODUCTION TO ELECTRICAL BLUE PRINTS
	4	WIRING: COMMERCIAL AND INDUSTRIAL

MONTH	WEEK	STANDARDS
August	1	REVIEW LAST SEMESTER SAFETY
	2	WIRING:RESIDENTIAL
SEPTEMBER	1	ELECTRICAL TEST EQUIPMENT 2
	2	UNIT A: ALTERNATING CURRENT
	3	UNIT B: MOTORS: THEORY AND APPLICATION
	4	WIRING:RESIDENTIAL 2

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Please sign below acknowledging receipt of this syllabus.

Student Signature _____ Date _____

Parent Signature _____ Date _____