

272-T06

MECHATRONICS ENGINEERING TECHNOLOGY

NAME: _____

START DATE: ____/____/____

COMPLETION DATE: ____/____/____

TASK: T06 A.C. motors and generators

PERFORMANCE OBJECTIVE: After completing the motor/generator training system the student will build a circuit from a diagram and it will function with 100% accuracy

ENABLING OBJECTIVE: Complete Q01-Q24, and T03, T04, T05

TOOLS REQUIRED: Instructor theory lesson, training system

SAFETY FACTORS: Complete Q01-Q02, T04 and observe all school/classroom safety rules at all times

ACADEMIC ANCHORS:

M11.A.1.1.2 Express numbers using scientific notation

M11.A.2.1.1 Solve problems operations with rational numbers using rates and percentages

R11.A.1.3.5 Demonstrate after reading understanding of non-fiction text

R11.A.2.1.2 Identify meaning of content specific words used in text

CAREER & WORK ANCHORS:

13.2.11.E Demonstrate essential workplace skills.

PERFORMANCE CHECKLIST:

STUDENT CHECK	TASK TO BE COMPLETED	TEACHER SIGN OFF
_____	1. Identify academic anchors and complete learning guide AA01	_____
_____	2. View instructor theory lesson	_____
_____	3. Complete training program @ www.learnamatrol.com	_____
_____	4. Review your notes and memorize components and symbols	_____
_____	5. Get quiz from instructor	_____

PERFORMANCE LEVEL:

MASTERY

SATISFACTORY

FAMILIARIZATION

INSTRUCTED/CANNOT PERFORM

BUCKS COUNTY TECHNICAL SCHOOL – June 2, 2021

INSTRUCTOR'S SIGNATURE

GRADING RUBRIC

	Instructed/Cannot 0 points	Familiarization 1 point	Satisfactory 2 points	Mastery 3 points
Safety	Student rarely follows industry standard safety rules	Student needs to be frequently reminded to follow industry standard safety rules	Follows all industry standard safety rules, but required one reminder.	Student always follows all industry standard safety rules
Task	Student is unable to complete task	Student requires frequent assistance to complete task, and/or is familiar with some parts of the task	Student requires very little assistance to complete task, or has only completed task once or twice, but completed it satisfactorily with little to no assistance	Student can perform task with no assistance and has completed the task many times with no errors.

Mastery = 6 points

Satisfactory = 4-5 points

Familiarization = 2-3 points

Instructed cannot perform = <2 points