

Berrien Springs Partnership Lab Syllabus and Instructor Qualifications

COMMUNITY CLASS TITLE: Auto Shop

GRADE OR AGE LEVELS: Ages 12 and up

FORMAT: In-person

DAY AND TIME OF THE WEEK: Wednesdays 3:00 – 5:00pm

TOTAL REQUIRED HRS: 16 **ADD’L POSSIBLE HRS (OPTIONAL TIME):** 8

TOTAL SEMESTER HOURS POSSIBLE: 24

LOCATION: Homeschool Nexus - 1870 Union Ave, Benton Harbor

INSTRUCTOR: Jon Bunnell

CONTACT INFORMATION: phone: 269-308-2518 email:

jbunnell2003@icloud.com

ADDITIONAL REGISTRATION AT SITE REQUIRED? No

INSTRUCTOR QUALIFICATIONS (may attach a separate page if necessary):

15 years of experience working with industrial mechanical systems. 25 years of experience performing maintenance on personal automobiles.

COURSE DESCRIPTION (OVERVIEW):

Students will learn the grammar of automobiles and perform maintenance on automobiles. Students will also disassemble automobile components and discuss the functions, as well as practice flux welding. Most of the class will be hands on learning.

SYLLABUS/OUTLINE: WEEKLY BREAKDOWN OF PROJECT-BASED LEARNING LAB ACTIVITIES

Weeks 1-3: Basic component grammar, Routine maintenance (fluid changes)

Weeks 4-6: Brake system disassembly, electrical component disassembly

Weeks 7-8: Major component disassembly

Basic welding skills will be practiced throughout entire semester.

Describe activities that will reinforce the lesson. Include any work and time to be required outside of class: Students should spend 1 hour each week outside of class to watch instructional videos.

COURSE OBJECTIVES AND APPROXIMATE TARGET DATES:

The goal of the course is for students to be able to identify major components of automobiles and have some understanding of these components.

*Steps to check for student understanding, along with dates or # of weeks into class:
Verbal quizzes will be given weekly to check student's retention of automobile grammar.*

STUDENT ASSESSMENT - what will be used to evaluate student progress and/or end of semester pass/fail status?

Students will be given a final verbal assessment at the end of course.

- 1) Student agrees to attend at least 80% of class sessions/lessons offered. Attendance is kept online and tracked by Partnership staff. Failure to meet 80% or be on track to meet 80% may result in program discontinuation.
- 2) The Partnership Student Assessment or Performance Form is filled out by the teacher and turned in to Partnership staff. The link to this form is found on the web page for this class. Failing marks for lack of participation, behavior issues, practice time, etc. may result in program discontinuation.

ADDITIONAL RESOURCES: (online, books, video, etc.):

www.howcarswork.com

CLASS POLICIES: ATTENDANCE, BEHAVIOR, WEATHER, ETC.

Attendance: Must meet the partnership's 16 hour requirement

Weather: Class will be held indoors during inclement weather

Required equipment: Coveralls and gloves