



Course Syllabus

Program Name: Auto Body Repair
Course Number: 65710
Course Title: Automotive Body Repair II- Junior

Pre-requisites

Credit for Automotive Body I is a pre-requisite for this course. Also, it is advisable that the student's career interest inventory indicates the field of Auto Body Repair as a choice.

Required Materials

Text: Toboldt, W. and T. Richardson. *Auto Body: Repairing and Refinishing*. Goodheart-Willcox Publisher, 2000.

Instructor Information

(Each instructor will put his or her name and e-mail address at school here.)

Course Description

This is the second course in a three-year sequence of Auto Body Repair classes. Automotive Body Repair II is an intermediate level course designed to acquaint students with the skills and methods employed in the field of Auto Body Repair. The students are introduced to minor damage repairs using sheet metal, plastic, fiberglass and urethane, panel replacement, alignment, and rust repairs. Students learn simple electrical service, automotive maintenance, and the use of refinishing equipment and materials. Students also learn minor glass, trim, and molding servicing procedures.

Three student performance outcomes will guide the studies in this course:

1. The student should be able to refinish damaged training panels at an intermediate level by operating metal straightening equipment, preparing panels for refinishing, and completing the refinishing process.
2. The student should be able to prepare damaged body panels of live vehicles for refinishing at an intermediate level.
3. The student should be able to refinish damaged body panels of live vehicles at an intermediate level.

To help achieve the student performance outcomes, some of the following topics will be examined:

- Body shop safety
- Developing a repair plan
- Basic estimating procedures
- Metal straightening procedures
- Surface preparation for refinishing



Student Performance Assessment

Performance Outcome 1. The student should be able to refinish damaged training panels at an intermediate level by operating metal straightening equipment, preparing panels for refinishing, and completing the refinishing process.

Performance Assessment: The student will refinish a training panel by restoring at an intermediate level.

Performance Outcome 2. The student should be able to prepare damaged body panels of live vehicles for refinishing at an intermediate level.

Performance Assessment: The student will prepare a body panel of a live vehicle for refinishing by restoring at an intermediate level.

Performance Outcome 3. The student should be able to refinish damaged body panels of live vehicles at an intermediate level.

Performance Assessment: The student will refinish a body panel of a live vehicle by restoring it at an intermediate level.

Course Grading System

Grades are based on a point system. Students are advised regarding how many points an assignment is worth. Students are evaluated using the following criteria:

- 10% Student Performance Assessments
- 70% Projects (shop work)
- 10% Exams
- 10% Homework (based on completeness, quality and timeliness)

Grade Point Values

The following is a suggested Chicago Public Schools grading scale; however, each school has the option to adjust the scale.

A = 95% - 100%	D = 75% - 80%
B = 88% - 94%	F = 74% or less
C = 81% - 87%	

Attendance

Class attendance is extremely important. Good daily attendance, as well as being on time for class, will positively impact grades. The reverse will be true if students miss class or come late.

If a student cuts class or has poor attendance, parents/guardians will be contacted.

Students who are absent are expected to make up work assigned during that class period.

It is the student's responsibility to see the teacher about make-up opportunities. If a



student cuts a class, the work assigned for that day cannot be made up. This policy includes tests.

Honesty Policy

The traits of a successful CPS student are personal integrity and academic honesty. Academic dishonesty is a serious offense, which includes but is not limited to the following:

- Cheating
- Respecting property of others (classmates, teacher, and shop/lab)

Cheating involves copying another student's written work, quiz, test, or exam, or the use of technology devices to exchange or submit information as related to course related material (class work, homework, quizzes, tests, projects, co-op work, etc.). Such practices and activities will not be tolerated and students associated with the like can have any certifications and / or licenses revoked as well as grade adjustments. Failure to comply with classroom policy and procedure will also result in disciplinary action as outlined in the Chicago Public Schools Code of Conduct.

Additional Guidelines

Students must come to class prepared every day with pen and paper. Failure to attend class prepared will reflect negatively on grades.

Illinois Learning Standards

6B. State I.5. Develop fluency in operations with real numbers using mental computation or paper-and-pencil calculations for simple cases and technology for more complicated cases.

Additional Standards

Appropriate Work Place Skills Standards, NETS-S, SCANS (Transitions) standards, and additional Illinois Learning Standards will be addressed in weekly lesson plans.

Course Calendar

Week	Topic or Competency	Items Due
1	Course Introduction: Explanation of Syllabus, Shop Rules, Shop Layout	
2	Safety Procedures: Identifying Hazards, Emergency First Aid, Reporting Safety Violations	Safety Quiz.

3	Replacing Panels, Hoods, Doors, and Fenders	Read Chapter 11. Quiz.
4	Refinishing Materials and Equipment: Identifying Undercoats and Topcoats, Identifying Color, Spray Booths, Protective Wear, Compressor	Read Chapters 16,17. Quiz.
<p>Note: In the remaining weeks of the course, students will be repairing body panels and live vehicles with various types of damage at an intermediate level. In the final weeks, students will complete the refinishing process by painting and restoring a panel to its original shape.</p>		
5-8	Body Repair: Screw-in Dent Puller	Repaired panels checklist.
9-12	Body Repair: Stud Gun Puller	Repaired panels checklist.
13-16	Body Repair: Straighten with Hammer and Dolly Method	Repaired panels checklist. Performance Assessment 2.
17-19	Body Repair: Cutting and Welding Patch	Repaired panels checklist. Performance Assessment 1.
20-21	Individual Career Planning. Work-based Learning Company Research for Job Shadowing	Individual Career Plan: postsecondary training and sites, company research assignment. Semester exam
22-25	Panel Finishing: Priming, Sanding, and Sealing	Repaired panels checklist.
26-27	Job Shadowing. Employability Skills: Completing a Resume, Job Application, Mock Interview	Report: job shadowing experience; Resume; Job application; Scoresheet from participation in a mock interview.
28-29	Estimating Repair Costs	Completed estimate form.
30-33	Custom Painting Techniques	Create original design for custom painting.
34-37	Panel Finishing: Painting, Clearcoating, and Polishing.	Performance Assessment 3: Refinished panel checklist.
38	Final Exam	Final Exam