



Course Syllabus

Program Name: Auto Body Repair
Course Number: 65720
Course Title: Automotive Body Repair III- Senior

Pre-requisites

Credit for Automotive Body II 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-Wilcox Publishing, Itasca, 2000.

Instructor Information

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

Course Description

This is the third course in a three-year sequence of Auto Body Repair classes. Automotive Body Repair III is an advanced level course designed to build on, and reinforce, skills previously introduced and/or developed in Automotive Body Repair II. Students will first review skills learned the previous year, including all shop and tool safety rules. Students repair major collision damage, perform structural repairs, and refinish panels using various materials. They learn to identify and correct imperfections of paint or repair jobs. They are also introduced to environmental and hazardous waste procedures, corrosion applications, and customizing techniques (striping, dying roofs, molding installation, etc.)

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

1. The student should be able to prepare damaged body panels of live vehicles for refinishing at an advanced level.
2. The student should be able to refinish damaged body panels of live vehicles at an advanced level.
3. The student should be able to custom paint a body panel.

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

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



- Custom painting techniques

The culminating activity of this class is to custom paint a body panel.

Student Performance Assessment

Performance Outcome 1. The student should be able to prepare damaged body panels of live vehicles for refinishing at an advanced level.

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

Performance Outcome 2. The student should be able to refinish damaged body panels of live vehicles at an advanced level.

Performance Assessment: The student will refinish a body panel of a live vehicle at an advanced level.

Performance Outcome 3. The student should be able to custom paint a body panel.

Performance Assessment: The student will custom paint a body panel without a major flaw.

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

3C. Stage I.7. Develop a cover letter and resume for a particular job title.

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	Written summary of Chapter 11.
4	Refinishing Materials and Equipment: Identifying Undercoats and Topcoats,	Written summaries of Chapters 16, 17.

	Identifying Color, Spray Booths, Protective Wear, Compressor	
<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 advanced level. In the final weeks, students will complete the refinishing process by painting and restoring a panel to its original shape and by custom detailing a body panel.</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; 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. Customer Service	Complete: postsecondary admissions, financial aid applications; internship worksheet; earned internship readiness certificate; elements of customer service 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, and Mock Interview	Complete: job shadowing experience, resume, job application; mock interview scoresheet.
28-29	Estimating Repair Costs	Complete estimate form.
30-33	Custom Painting Techniques	Design for custom painting. Custom-painted panel checklist.
34-37	Panel Finishing: Painting, Clearcoating, and Polishing.	Performance Assessment 3
38	Final Exam	Final Exam