

Plastic Body Repair and Painting Fundamentals

DOE# 7206

Course Description and Outline

Plastic Body Repair and Paint Fundamentals introduces the types of fiberglass and plastic materials used in auto body repair and considerations for automotive painting. Students will explore methods for repairing fiberglass and plastic damage, like welding, reinforcing, repairing holes, and retexturing plastic. Students will be asked to demonstrate the proper use of primers and sealers, spraying techniques, and an understanding of various paint finishes.

Teacher Information and Student Supports

Name: Jeremy Ross

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Course Supplies

- Online Textbook
- Work Shoes
- Work Clothes

Additional Supports

- Reteach and Enrichment activities in class every week
- Individual help by appointment when necessary

Journey of a Graduate Skills

Critical Thinking

- Demonstrate proper shop safety practices while in the lab(s). This includes: always wearing safety glasses while in the lab(s).
- Select tools and equipment. This includes selecting and properly using tools and equipment for the job.
- Describe use of composite material.

Communication

- Demonstrate use of primers and sealers according to their uses (per manufacturer's specifications) as a base for final finishes. This includes the proper mixing and application of both primers and sealers.
- Define hazards and safety of materials. This includes proper handling, storing and use of materials and chemicals used.
- Define and demonstrate metal conditioners as they relate to the different metals

Resilience

- Repair fiberglass and plastic damage. This includes several methods such as welding, reinforcing, repairing holes and retexturing plastics.

Collaboration

- Work in groups to remove and install plastic bumpers and trim. This includes the proper removal, installation, inspection, and replacement (if necessary) of bumpers and trim.
- Work in groups to perform plastic repair.
- Work in groups to perform damage analysis.

Content Knowledge

- Identify different types of damage on plastic parts.
- Repair fiberglass and plastic damage. This includes several methods such as welding, reinforcing, repairing holes and retexturing plastics.

Citizenship

- Identify proper shop safety practices while in the labs.
- Evaluate employment and career pathway opportunities related to established career interest(s) in the field of transportation
- Evaluate resources that keep workers current in the career field
- Describe the emerging transportation-related jobs and industry needs
- Demonstrate skills and attitudes needed for lifelong learning
- Identify state and national safety regulations for working in a transportation facility
- Practice the proper storage of tools
- Practice appropriate shop/lab upkeep and maintenance duties
- Practice safety procedures for handling and disposal of hazardous materials
- Practice safety procedures in cases of emergency

Grade Calculation

MSD Warren Township Scale

Grade	Percentage
A	92.5 - 100
A-	89.5 - 92.4
B+	86.5 - 89.4
B	82.5 - 86.4
B-	79.5 - 82.4
C+	76.5 - 79.4
C	72.5 - 76.4
C-	69.5 - 72.4
D+	66.5 - 69.4
D	62.5 - 66.4
D-	59.5 - 62.4
F	Below 59.5

Credits/Pathways

CORE 40 Diploma

Course fulfills two credits of the elective requirement for the Core 40 diploma.

Academic/Technical Honors Diploma

Has potential to fulfill academic/technical honors diploma. - see counselor

CTE Graduation Pathway

Recommended – Intro to Transportation

Principles – Principles of Collision Repair

Course A –Automotive Body Repair

***Course B – Plastic Body Repair and Painting
Fundamentals***

Capstone –Collision Repair Capstone

Grading Policies

Semester Grade

Your semester grade will be calculated in the following way:

50% Employability skills

40% Assignments

10% Test

Warren Central Grading Policy

The high school grading policies will be explained here

Warren Central Homework Policy

The high school homework policies will be explained here.

Synergy Grades

Grades posted in Synergy reflect the students' academic performance in the course.

Types of Assignments and Assessments

Assignments

Assignments will include classwork, homework, labs, and bell work. These items are opportunities for students to practice the concepts learned in class.

Labs

Each unit will have one or more laboratory experiments. Labs are designed to demonstrate "real world" applications of the class concepts and help students develop a deeper understanding of the learning objectives.

Assessments

Tests/projects cover Indiana State Standards.

Quizzes may be given throughout a unit. There may or may not be a quiz for each unit.