**Basic Auto Body**

**Course code: 170301-01**

**Instructor**

Mr. Michael Swartz

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**Course description**

This introductory course in automotive body work begins with tools and principles and proceeding to priming but not including finish paint processes. Metal repair includes shaping and welding. Processes include gas welding, GMAW (gas metal arc welding), Spot welding, brazing, riveting, fiberglass, bonding as well as other. The operations performed in this class will be completed on fenders and body panels supplied by the school. Over 50% of the class is comprised of laboratory time.

**Text book**

The Complete Guide to Auto Body Repair by Dennis W. Parks, ISBN 978-0-7603-3278-8. Motorbooks, Minneapolis, MN 55401

**Standards**

State/National Common Core Standards 2, 3, 12, 16, 17, 19, 20.

**Benchmarks**

* Disassembly Marking
* Surface Preparation
* Finishing
* Assembly

**Grade Levels:** 9-12

**Course Level:** Intermediate to Advanced

**Course Length:** 20 weeks

**Course Type:** Career-Technical Preparation

**Pathways:** Transportation

**Topics:**

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| Tools | Developing a Repair Strategy | Collision Repair Metal |
| Materials | Disassembly and Stripping | Collision Repair Composites |
| Rust Repair | Surface Preparation and Undercoats | Painting Color and Other Top Coats |
| Reassembly | Tool care and Maintenance |  |