

Teacher: Nate Zawlocki

Room Number:236

Phone Number: (360) 473-0578

Planning Time: 1:40 – 3:00 Daily

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Collision Repair Technology**I. COURSE DESCRIPTION**

The CRT program will provide an introduction and/or a continuation of hand on experience in the field of Collision Repair Technology. CRT professionals evaluate collision damage and perform body repair on vehicles in compliance with factory and dealership specifications. CRT is a multi-dimensional career field in which as many as 54 different skills may be considered necessary to be hired as an entry-level technician. Skills such as (though not limited to) structural analysis and damage repair, non-structural analysis, mechanical and electrical components, plastic and adhesives, painting and refinishing techniques, damage analysis and estimating will be introduced through this I-CAR certified instruction and hands-on experience.

The student will also learn and use a variety of service manuals and on-line automotive service and repair sights. Students should also be in fair to excellent physical shape, as they should be able to stand for extended periods of time, lean over a fender, bend over to repair or service a vehicle, and squat down many times during the day. They may also be required to lift, unassisted, vehicle parts weighing as much as 30-50 lbs.

Students will be required to read and comprehend professional technical manuals; perform math skills with regard to calibration, timing, estimates, and business; communicate effectively in written and oral presentations.

II. STUDENT OUTCOMES

Upon completion of this course, students will be able to (comes from your framework, the hours or unit length and competencies):

Unit:	Student Competencies:
Safety	<ul style="list-style-type: none"> • Complete S/P2 Collision Safety on-line training • Complete S/P2 Collision Pollution on-line training • Pass both exams with 80%
Structural Analysis and Damage Repair	<ul style="list-style-type: none"> • Frame inspection and repair • Unibody & unitized structure inspection, measurement and repair • Fixed glass • Metal welding and cutting
Non-Structural analysis and damage repair	<ul style="list-style-type: none"> • Preparation • Outer body panel repair and adjustment • Metal finishing and body filling • Plastics and adhesives
Painting and Refinishing	<ul style="list-style-type: none"> • Surface preparation • Spray gun and related equipment operation • Paint mixing, matching and application • Paint defects- causes and cures • Final detail

Mechanical and Electrical	<ul style="list-style-type: none"> • Suspension and steering identification, inspection and repair • Electrical system identification and inspection • Brake system identification and inspection • Cooling system identification, inspection • Heating and Air Conditioning identification and inspection • Restraint System identification and inspection • Fuel and Exhaust System identification and inspection
Damage Analysis, Estimating and Customer Service	<ul style="list-style-type: none"> • Analyze vehicles for current or previous damage • Estimate vehicle repair cost • Identify vehicle paint, trim and option codes • Interact with customers in a professional manner
Career Planning	<ul style="list-style-type: none"> • Explore and analyze personal interest as they relate to the automotive industry • Analyze industry certification required to enter different parts of the automotive industry and post-secondary education
Personal Success	<ul style="list-style-type: none"> • Implement goal setting • Utilize problem-solving strategies and time management tools • Identify skills that can be transferable among a variety of careers
Employability and Entrepreneurship Skills	<ul style="list-style-type: none"> • Demonstrate effective verbal, non-verbal, written, and electronic communication skills • Model appropriate personal and business etiquette in the workplace • Exhibit productive work habits, ethical practices, and a positive attitude
1080 Hours	<ul style="list-style-type: none"> • This is a two-year program with 540 hours per year, not all standards can be met with one year of attendance. It is highly encouraged to attend this program for two years.

III. COLLEGE CREDIT

Students earning a “B” grade or better AND meeting all articulation requirements earn the following College Credit in this class:

Painting and Refinishing: Bates AUTOB 201 5
 Bates AUTOB 202 5

Preparing for Painting and Refinishing: Bates AUTOB 111 2
 Bates AUTOB 112 5
 Bates AUTOB 113 5

Repairing Body Panels/Fenders: Bates AUTOB 103 3
 Bates AUTOB 104 5

Trim and Accessories: Bates AUTOB 109 3
 Bates AUTOB 110 4
 Clover Park ACT 120 B 3

IV. EQUIVALENCY CREDIT

Students may earn equivalency credit in a general academic subject area while completing this course. The following equivalency credit may be earned in this class: Art, Science

V. INDUSTRY CERTIFICATION

Upon completion of the course requirements and any testing requirements, students may earn the following industry certifications during this class:

SP/2 Collision Safety and Collision Pollution Certificates

I-Car training credits:

WKR01 - Hazardous Materials, Personal Safety, And Refinish Safety

GLA01 - Movable And Stationary Glass Program 1

FOM01 - Automotive Foams

EDS01 - Non-Structural Supplement

PLA03 - Plastic Repair Program 3

AHS01 - Education Edition Advanced High-Strength Steel Overview

STS01 - Straightening Steel Program 1

TRM03 - Removing And Installing Exterior Trim, Pinstripes, and Decals

EXT03 - Bolt-On Exterior Panels - Part 1

EXT04 - Bolt-On Exterior Panels - Part 2

TRM02 - Removing and Installing Hardware Interior Trim

LSC04 - Automotive Lighting

NEW16 - Vehicle Technology and Trends 2016

REF01 - Refinishing Program 1

REF02 - Refinishing Program 2

REF04 - Refinishing Program 4

EDS02 - Refinishing Supplement

CPS01 - Corrosion Protection

HAP01 - Hazardous Airborne Pollutant Reduction

HWD01 - Hazardous Material Storage and Disposal

REF07 - Waterborne Products, Systems, and Application

VI. REQUIRED TEXTBOOKS AND MATERIALS

Provided by the instructor:

I-car Log-ins

SP/2 Log-ins

Provided by the student:

Two boxes of Nitrile glove in you size

Leather/mechanics work gloves in your size

VII. CLASS FEES:

\$20 to cover Safety Equipment

VIII. ATTENDANCE:

State law (RCW 28A.225.010) and school board policy recognize regular attendance is the basis of success in the classroom. Attendance is especially important at WST because of the significant amount of demonstrations and hands-on learning.

Steps to follow in case of an absence:

1. Just as you would in the workplace, students **MUST** contact the instructor if the student is absent.

2. Parents MUST follow-up with an email, phone call, or written documentation with the reason for the absence. (*must include student name, date of absence and reason for absence*)

IX. SIMULATED WORKPLACE REQUIREMENTS

Tools and Safety Equipment WST furnishes ear protection, paint respirators, and tools for training. Student are require to provide one box of nitrile rubber gloves and one pair of tight fitting leather gloves, waterproof closed toe shoes/boots with solvent resistant soles, lined paper, and pens/pencils for all classroom sessions.

Coveralls and Protective Clothing Students must wear closed-toed shoes if they are to participate any activities in the shop area. Each student should provide one pair of long sleeved coveralls and some type of small baseball type hat. Inappropriate logos on the hat are to be avoided.

X. ACADEMIC INTEGRITY:

Cheating is by definition, an action done by a student to supply work for another student, or turn in work, use work, or rely on work that is not her/his own, other than in circumstances clearly understood to involve collaborative or group learning. District policy requires that the teacher will record a 'zero' in the gradebook to communicate lack of evidence. Parents will be notified if a student is caught cheating in the classroom or lab. Subsequent cheating may result in an "F" in the class and possible removal from WST.

XI. INSTRUCTIONAL STRATEGIES:

Methods and activities for instruction include lecture, discussion, demonstration, small group/cooperative learning, peer teaching and assessment, and project based learning.

XII. ASSESSMENT STRATEGIES:

Students earn credits and grades by:

- Active daily participation in classroom and lab activities
 - Successful completion of assigned competencies at industry standard within the required time frame.
 - Create a project to display the steps taken in panel repair (required for Art credit consideration)
 - Passing unit quiz and exam at 75% or higher
 - Demonstrating professional workplace readiness/employability skills
- Late Work will **NOT** be accepted later than 2 weeks from the due date.

XIII. Grading Criteria:

WST progress reports go out after approximately 90 hours(30days) of learning/instruction. Grades are posted every semester, twice a year. Grades are available through your family access account and are updated regularly. Grades are based on the following:

- Attain identified knowledge, skills, and abilities as well as industry standards
- Demonstrate knowledge and application of related theory
- Demonstrate attainment of 21st century skills
- Quality of work completed
- Adherence to all safety rules and expectations
- Late work will **NOT** be accepted later than 2 weeks from the due date

21 st Century Skills:	10%
Unit Assessments: Chapter tests, unit exams	40%

XIV. Grading Scale:

Standards-Based Grading Description	Letter Grade	Percentage Value
Exceeds Standards	A	93-100
	A-	90-92
Meets Standards	B+	87-89
	B	83-86
	B-	80-82
Approaching Standards	C+	77-79
	C	73-76
	C-	70-72
	D+	67-69
	D	60-66
Does Not Meet Standard	F	Below 60

XV. NON-DISCRIMINATION

The Bremerton School District complies with all federal and state rules and regulations and does not discriminate on the basis of sex, race, creed, religion, color, national origin, age, honorably discharged veteran or military status, sexual orientation including gender expression or identity, the presence of any sensory, mental, or physical disability, or the use of a trained dog guide or service animal by a person with a disability in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. This holds true for all students who are interested in participation in educational programs and/or extra-curricular school activities. Inquiries regarding compliance and/or grievance procedures may be directed to the District's Title IX/RCW 28A.640 Officer and ADA Coordinator, Garth Steedman, at 360.473.1031, email garth.steedman@bremertonschools.org or the Section 504 Coordinator, John Welsh, at 360.473.4400, email john.welsh@bremertonschools.org. Mailing address: 134 Marion Avenue North, Bremerton, WA 98312.



Please review, then sign, and return to the instructor:

Review and follow student handbook expectations: every student at West Sound Tech is expected to adhere to all policies and expectations outlined in the student handbook.

- Attendance: Attendance is expected daily. Students that are absent **MUST** follow the requirements in the WST student handbook
- Student Drivers: Must follow policy outlined in student handbook
- Plagiarism policy
- Dress Code/Uniform Requirement: Follow classroom requirements and expectations for your program and as outlined in the student handbook
- Safety Policy: workplace safety is paramount. Students are expected to follow all safety expectations. Each classroom must meet industry safety requirements.

I have read, understand, and agree to the class rules, grading, and expectations outlined in this syllabus.

Student Name Student Signature Date

Parent/Guardian Name Parent/Guardian Signature Date

Communication between parent/guardians and instructor is extremely important for student success. Please complete the information below and indicate preferred contact method:

Parent/Guardian Cell # _____ Home # _____

Parent/Guardian Email: _____