

Mechanics 30 Course Outline (5 Credits)

W.H. Croxford High School



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Prerequisites

In order to succeed in this course, students must show a willingness to show diligent effort, willingness to work to a high standard and have basic computer skills.

MEC 1040: Engine Fundamentals, MEC 1090: Electrical Fundamentals, MEC 1150: Ride and Control Systems

Course Philosophy

Students enrolled in this course will work on developing the knowledge, skills and attitudes required to achieve success in their personal and work life while applying effective and responsible decision making strategies to the design, service and repair of transportation vehicles. Students will be expected to link the knowledge, skills and attitudes that they have developed in other courses in meaningful and practical ways to the field of mechanics.

Course Materials

Student provided:

- Closed-toe shoes (CSA approved steel-toed boots are best)
- Long pants

Instructor provided:

- Safety glasses
- Hearing Protection
- Dust masks
- Shop Coats

COURSE SCHEDULE	
SHOP SAFETY	
Module 1	MEC 2090: Electrical Components
Module 2	MEC 1150: Ride and Control Systems
Module 3	MEC 2015: Suspension Systems (<i>Must Complete MEC 1150</i>)
Module 4	MEC 2016: Steering Systems (<i>Must Complete MEC 1150</i>)
Module 5	MEC 3010: Buying & Selling Vehicles

Assignments and Evaluation

Knowledge-based (30%)

- Written work (work orders, career profiles, etc.) (10%)
- Module Final Project or Test (15%)

Note: A passing grade must be achieved on *all* knowledge-based components in order to complete module requirements.

Skill-based

Ongoing instructor evaluation of:

- Participation/work ethic* (35%)
- Ability to complete tasks* (40%)

*Rubrics are provided

Student Expectations

- Safety is an extremely important component in this class. Please see the attached behavior expectations and make sure that you understand them,
- Take responsibility for your own learning.
 - Ask questions and seek extra help if you do not understand. I am here to help you succeed!
 - If I don't know you need help, I can't help you.
- Be accountable for your own actions. Mistakes happen and we can all learn from them!
 - Don't hide mistakes or poor choices from me. We will work through them and you will have more respect for yourself and from me.
- Respect yourself, others and property.
- Come to class prepared.
- **When you're in class, be in class. Focus on the subject and learn what you can in the time we have.**

Plagiarism

- Plagiarism of any kind will not be tolerated.
- If you are unsure if you are committing plagiarism, see your teacher!
- Incidents of plagiarism will be dealt with by the teacher, learning leads and administration (if needed).

Missing or Late from Class

- Please see WHC absence policy
- Students are responsible for finding out what material/activities they missed during that time. Please note, in this class, 70% of the mark is assigned to work done in-class.

Late/Missed Assignment Policy

- Written assignments can be made up the student's own time.
- If a student misses an opportunity to demonstrate or learn a skill in the shop due to an unexcused late/absence, they may or may not have the opportunity to make this up based on the number of other students waiting for their turn/time left in the semester.
- **If a student is not able to demonstrate all the skills required, they will not earn a passing grade in the module in question.**

Late/Missed Exam/Projects (Written)

- Students will make these up during their focus block.

Appeal Process for Grades

Lines of communications to appeal are as follows:

- 1) Student/teacher 2) Student/parent/teacher 3) Student/parent/teacher/learning lead

If you have any questions or concerns about this class, please don't hesitate to contact me!