



# STEVESTON-LONDON SECONDARY SCHOOL

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## **COURSE OUTLINE- Transportation Level 2**

Taught by: Mr. S. Nowak [snowak@sd38.bc.ca](mailto:snowak@sd38.bc.ca)

Welcome to Transportation Level 2! In this course we will cover a range of topics outlined below through demonstrations, assignments, and class discussions all while remembering that Safety is the number 1 most important rule in the shop. We will try and make this class as hands on as possible but there will be a strong element of theory and discussion as well. Due to COVID-19, things are going to look a lot different as we will have a bunch of new protocols in place that are important for the safety of you, your classmates, your teachers and your friends and family. We will also be referring to my website <http://mrnowak.com> so please get to know this page and check often.

My main objective for all of you is to have fond memories of your time in the Shop and to complete this year with a number of new found practical hand skills and problem solving skills that you can use in the future.

### ***Student Expectations:***

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Students will be expected to:

- Follow all safety guidelines that are outlined by the school and for each classroom.
- Demonstrate the correct techniques and safety procedures when working with any of the tools, machines or finishes in the shops.
- Understand basic mechanical concepts or how things work.
- To become knowledgeable and able to identify and differentiate the qualities and attributes of various types of metals, plastics and other materials.
- Demonstrate the willingness to make good use of class time throughout the semester.
- To be proactive in your own learning by seeking out problems and working through them.
- Keep track of all handouts and drawings and other work relevant to the course.
- Listen and follow along with any demonstrations and lectures throughout the course.

### ***Attendance:***

Each of the courses are only going to be 10 weeks long, so it is important that we come to class on time and ready to work. Having said that, if you are exhibiting any signs of not feeling well as per the daily checklist required every morning, then you are not to come to school. If you know you are going to be away, please let me know. Students that are away will be given the opportunity to make up or catch-up on anything missed.

### ***What to Bring to EVERY Class:***

Students **must** bring the following materials with them to class everyday. These items are:

- **Pencil, pen and Eraser**

## ***What NOT to Bring to EVERY Class:***

- **NO** food or drinks permitted anywhere near the machines or workbenches but of course water is definitely OK.

## ***Topics:***

- **Safety & Demonstrations** throughout the year including new COVID safety protocols
- **Safety Exams**
- **Learning and understanding the safe work practices**
- **Measurement-** Students will understand both metric and imperial as well become familiar with using a variety of measuring tools
- **Theory-** There will be a fairly large theory portion in this course that will be cover a wide variety of topics that may include:
  - **Understanding of WHIMIS and MSDS**
  - **Basic Mechanical principals beginning with bicycle maintenance**
  - **Working and manipulating various materials (steel, aluminum, wood, plastics, etc)**
  - **Basic engine principals**
  - **Alternate forms of energy**
  - **Basic car care (Oil change, changing a tire, etc)**
  - **Understanding basic systems (Cooling, Lubrication, Brake, etc)**
  - **Research Project**

## ***Course Fees: There are none...kind of...***

Students will have the opportunity to **not** have to pay any fees throughout the year if they so choose. Obviously if students need parts for their own car they will need to provide that themselves.

## ***Assessment:***

Work Habits Mark	Attendance - Please see the agenda for the policies that will be followed in this class.	
	Attitude/Cooperation - Towards coursework, teacher & fellow students.	
	Participation - In discussions, listening, watching demonstrations, being safe and being on tasks.	
	Preparedness - Coming to every class with the proper equipment and attitude.	
Percent Mark	Practical (Assignments and Labs)	%50
	Theory (Quizzes and tests)	%40
	Shop Practice (Clean-up, work practice, use of class time)	%10