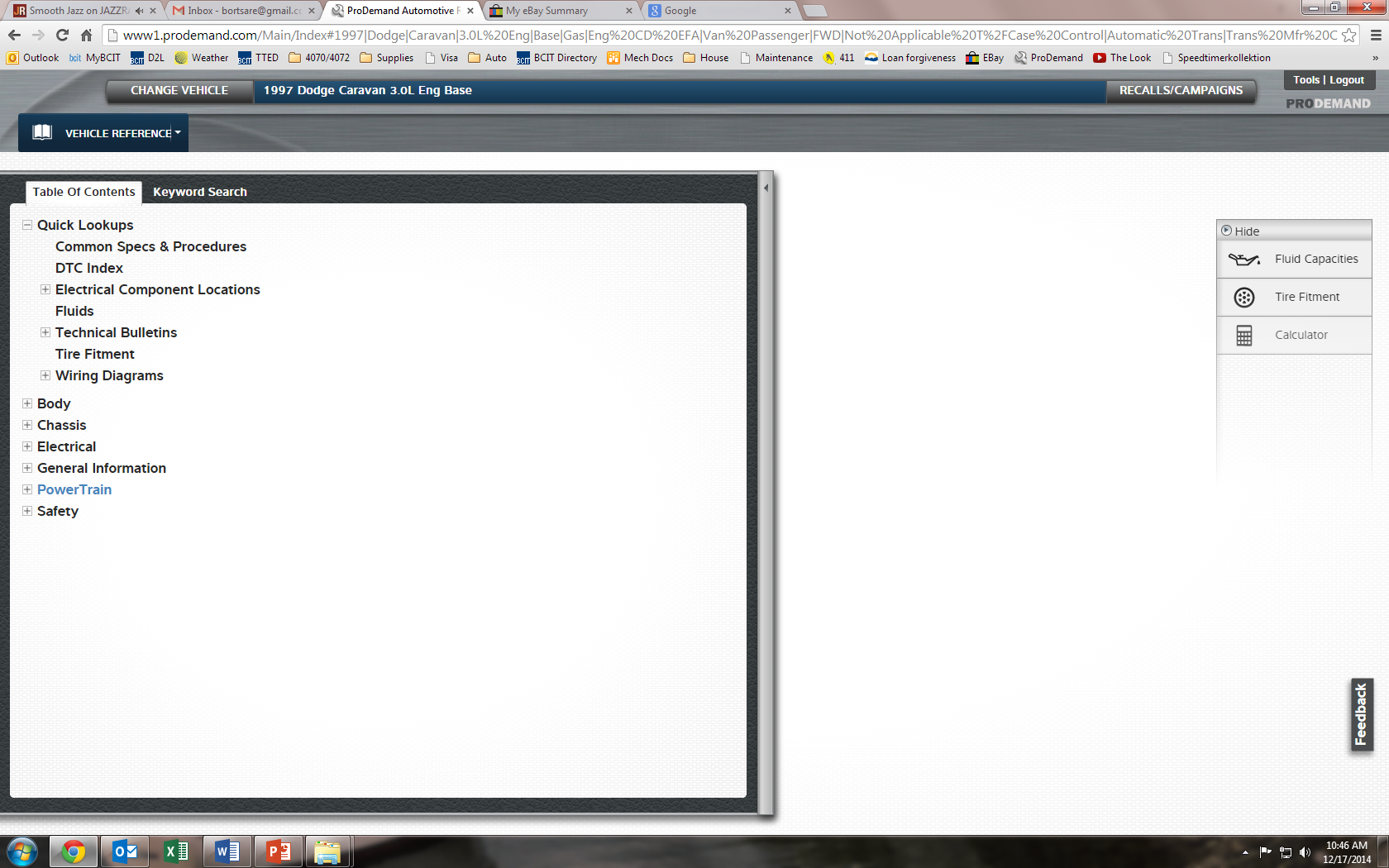
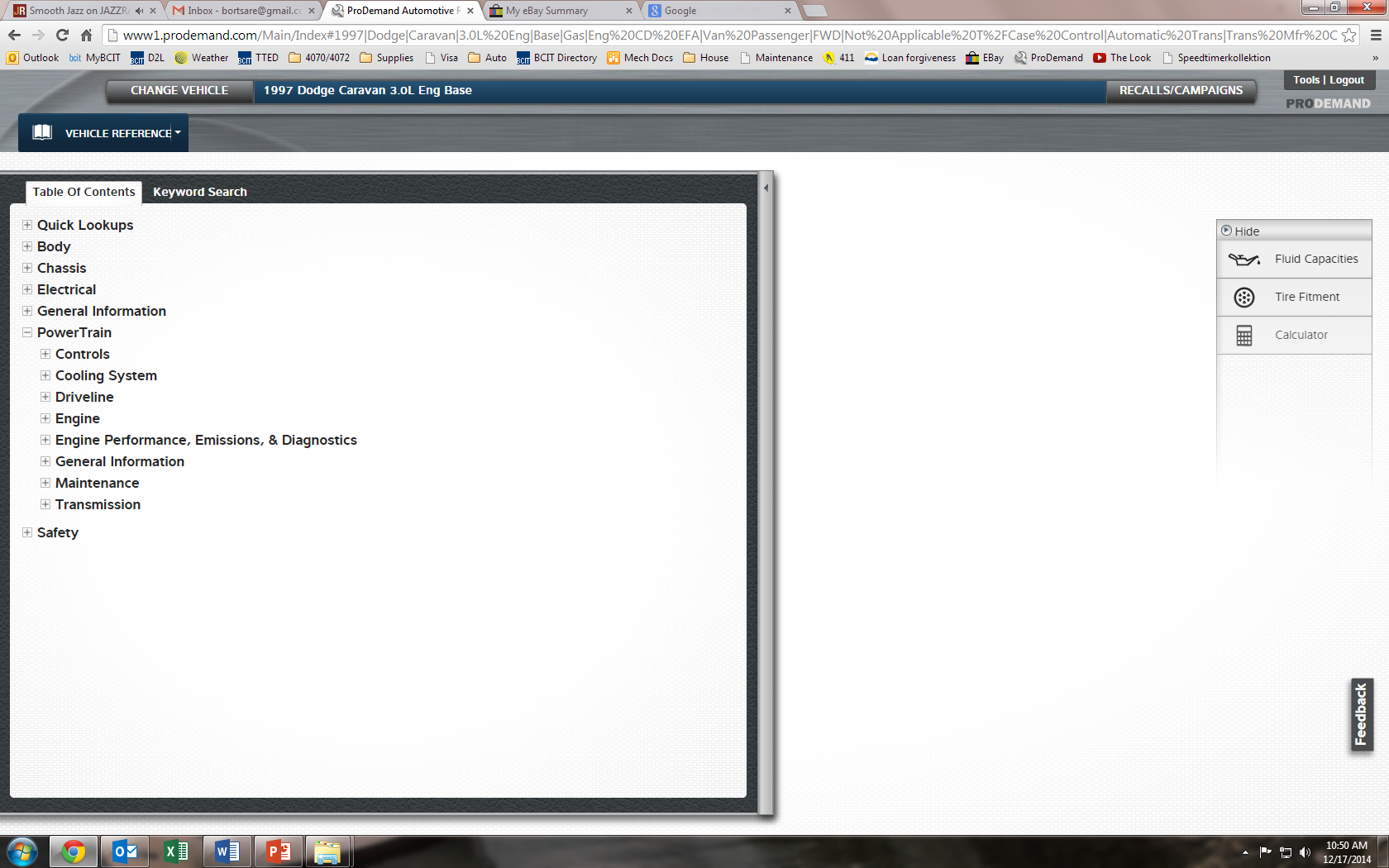
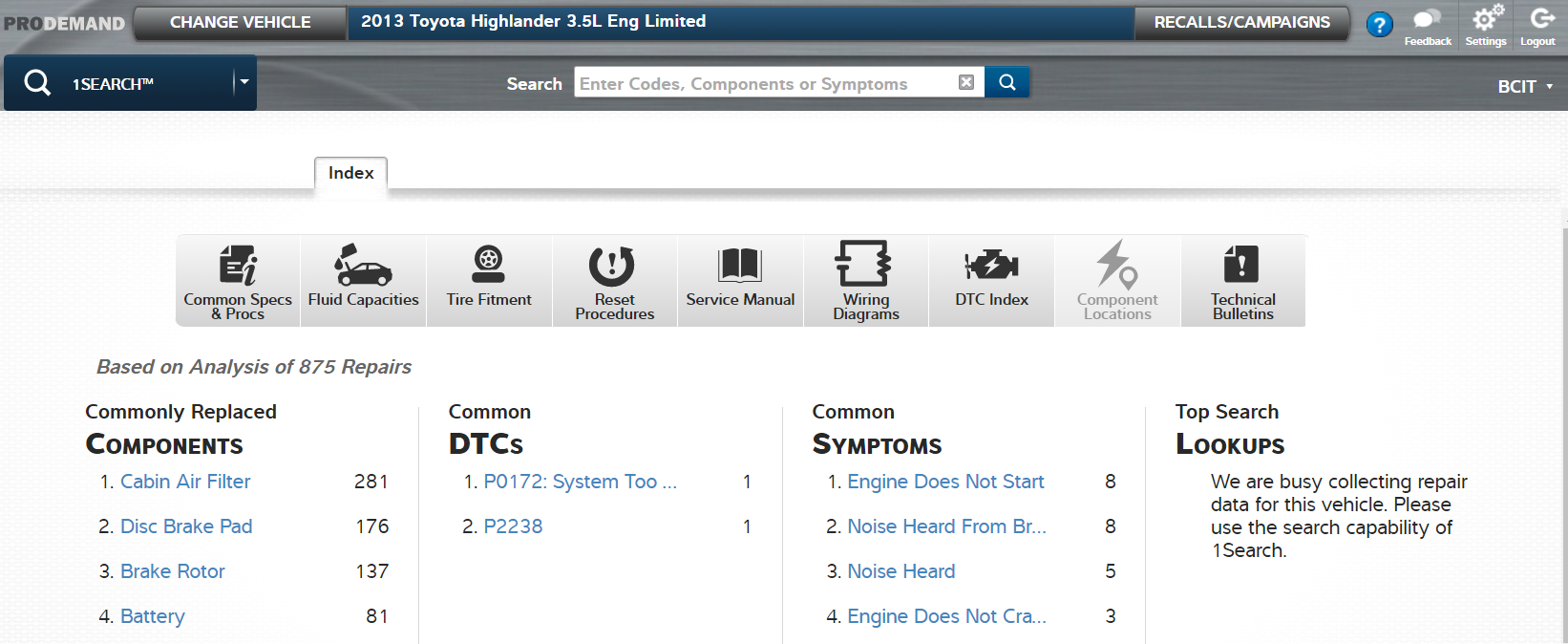
**Automotive Computerized Repair Information Activity**

The objective of this activity is for you to become acquainted with using computer-based repair information. This information is, in opinion, the most important tool in the shop. For this activity, you will use Mitchell’s **ProDemand**. Mitchell is what you will find in many BC high school automotive shops as well as most professional repair facilities. I have included much of the info you need to locate items, specifications, etc., but have not included every detail so you can “poke around” and become familiar with the program.

**ProDemand home screen**

***Navigating in ProDemand:***

****

**each heading contains**

**additional sub-headings**

**VEHICLE REFERENCE** menu view

**fluid info tab**

**tire & wheel info tab**

vehicle selection tab

main menu tabs

**Mitchell ProDemand Familiarization Activity**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1) **This lab should be completed on your own in order to familiarize yourself with the program.**

You can access Mitchell anywhere on campus by following these instructions:

1. go to [www.prodemand.com](http://www.prodemand.com)
2. login with username: riverside teacher
3. password: RS1deAut0

2) Locate the following repair information by first selecting the make, model and year of the vehicle you need info on starting with...

A) 1993 Chevrolet Cavalier: under the heading **Electrical,** then **Fuses & Circuit Breakers,** find out which circuit fuse #5 protects. Circuit: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B) Under the **Brakes** tab, find the torque specifications for the front brake caliper guide bolts for a 1992 Toyota Corolla.

Torque: \_\_\_\_\_\_\_\_\_ft. lbs.

C) Go into **Engine Mechanical** tab and select a 1990 Honda Accord. Refer to the diagram that shows you how to align the timing belt marks.

What word is stamped on the camshaft sprocket? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What colour is the **T**op **D**ead **C**entre mark? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D) Select 2010 Kia Sportage (2.0L LX model), and go into the **Quick Lookups**, **Common Specs & Procedures** tabs to find the compression pressure spec and spark plug gap.

Compression: \_\_\_\_\_\_\_\_\_\_\_\_\_PSI Plug Gap: \_\_\_\_\_\_\_\_inch

E) Find the engine oil type & capacity, in litres (with a filter change) for a 1991 Mazda 626.

(Hint: Click the **Fluid Capacities** tab).

Oil quatity: \_\_\_\_\_\_\_\_\_L

Oil Type: \_\_\_\_\_\_\_\_\_\_\_\_\_

F) If you are changing the oil in a standard transmission on a 2001 Volkswagen Jetta, what type of oil do you use and how much do you put in?

(Hint: Click on the **Fluid Capacities** tab). Oil quantity: \_\_\_\_\_\_\_\_L

Oil type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

G) What would you torque the clutch cover bolts to on a ’03 Subaru Forester?

(Hint: look in the **Transmission** then **Clutch** tabs) Torque: \_\_\_\_\_\_\_\_\_ ft. lbs.

H) Find the wiring diagram (**Electrical, Wiring Diagrams** tabs) for the back-up lampson a ‘97 Ford Taurus Sedan. What colour are the wires that feed power into the reverse lamps (from connection #S417) wire colours: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

J) Find the wheel torque specs on a 1992 Chevrolet S/10 pickup.

(Hint: click use the **Tire Fitment** tab on the right side of the screen)

Torque: \_\_\_\_\_\_\_\_\_\_\_\_ft. lbs.

K) What should you torque the drive axle lock nut to on a 1993 Mazda 323?

(Hint: use the **Drivelines & Axles** tabs) Torque: \_\_\_\_\_\_\_\_\_ ft. lbs.

L) The principal in your school has a 2009 Toyota Matrix (1.8L). He is complaining that the driver’s door window makes a popping sound when being used. Are there any technical service bulletins (**TSB**’s) on this?

If there is a TSB for this problem, what is the cause of this problem?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

M) What does the abbreviation DTC stand for? (Hint: look in the **General Information** tab)

DTC: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

N) The vice principal’s 1997 Dodge Caravan (3.0L engine with a **L**eak **D**etection **P**ump) has a broken vacuum hose that will need replacing. Where does the middle hose on the EVAP canister connect to? (Hint: this is affecting the **Engine Performance**).

Hose connects to the: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What does the abbreviation DTC stand for? (Hint: look in the **General Information** tab)

DTC: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_