

Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Driver’s Education	Course:	Driver’s Education	Unit Title:	Your Vehicle	Grade Level(s):	9-12
Assessed Trimester:	N/A	Pacing:	5 Days	Date Created:	5/28/2014	Last Revision Date:	

Course Understandings: <i>Students will understand that:</i> <ul style="list-style-type: none">Physics plays a major role when driving.There are a number of functions to operate a motor vehicle.

DESIRED RESULTS (Stage 1) - WHAT WE WANT STUDENT TO KNOW AND BE ABLE TO DO?

Established Goals	
<ul style="list-style-type: none">Standard F.1: Students will be able to list the necessary safety equipment of a vehicle, demonstrate knowledge of the basic physics of a car crash and it’s correlation to seat belt safety. Benchmark:<ul style="list-style-type: none">F1: Be able to explain the importance of preventative maintenance in keeping the vehicle in safe condition.F2: Be able to identify and respond correctly to vehicle warning lights and devices.F3: Be able to identify unsafe tire conditions, including improper inflation and through visual inspection abnormal wear.Standard F2: Students will be able to list the necessary safety equipment of a vehicle, demonstrate knowledge of the basic physics of a car crash and it’s correlation to seat belt safety and calculate fuel consumption and its cost. Benchmark:<ul style="list-style-type: none">F6: Be able to compare vehicle factors that will affect efficiency and economy.	
Transfer	
Students will be able to independently use their learning to: (product, high order reasoning) <ul style="list-style-type: none">Determine whether their vehicle is safe to drive.Make good judgements in regards to wearing a seatbelt.Calculate the fuel consumption for their vehicle.	
Meaning	
Unit Understanding(s): Students will understand that: <ul style="list-style-type: none">Every vehicle must be equipped with certain equipment in order to be on the road.People can survive a crash with certain precautions.	Essential Question(s): Students will keep considering: <ul style="list-style-type: none">Should I wear my seatbelt?What should I do if a warning light comes on?What are the advantages and disadvantages of various fuel economies in vehicles?Does my car have all the required equipment to be safe and follow the laws?
Acquisition	
Knowledge - Students will: <ul style="list-style-type: none">Identify physics symbols.List and describe the required equipment a car must have.Know the formula for calculating miles per gallon.	Skills - Students will: <ul style="list-style-type: none">Sit in a car and identify and demonstrate the 12 safety features required by law.Solve algebraic problems related to miles per gallon.Solve problems using physics formulas.

Reasoning - Students will: <ul style="list-style-type: none">Analyze the advantages and disadvantages of wearing a seat belt.	<ul style="list-style-type: none">Students will be able to determine whether seat belts reduce injury or death.Students will be able to decide if seat belts reduce injury or death.Be able to explain Newton’s 1st law of motion.

Common Misunderstandings <ul style="list-style-type: none">You don’t need to wear your seatbelt at low speeds.Seat belts don’t save your life.Cars don’t need any maintenance.	Essential new vocabulary <ul style="list-style-type: none">IlluminateinflateddeflatedCarbon MonoxideAccelerationPSI (Pounds Per Square Inch)
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