

NORTH HUNTERDON DRIVER EDUCATION PROJECT

100 POINTS

This project can involve one or two people. Together you will develop a Microsoft Publisher Brochure or Power Point including ALL of the below information you researched but definitely not excluding any other information on your topic assigned. Both will earn the same grade unless otherwise informed so please choose wisely if working together!

You will be creating a detailed presentation of the topic. The brochure or power point should include an explanation and pictures to demonstrate the appropriate information. You **MUST** list at least 5 sources on the brochure or power point. These can include but not be limited to websites, text books, periodicals and documented interviews.

- 1) JUMPSTART - Explain and demonstrate how to jumpstart a vehicle with a dead battery. Include causes of battery death, safety precautions, equipment needed and step by step procedure.
- 2) INTERIOR/EXTERIOR CHECK - Explain and demonstrate how to do an exterior and interior circle check of a vehicle including what you are looking at and why you are looking at these items. What should you do if these items are not up to driving standards?
- 3) FLUID CHECK AND CHANGE – List all fluids that should be checked on an automobile, where they are located, safety precautions and how to add or change them properly.
- 4) TIRE CHANGE – This project should include the reasons for a tire change. You should explain and demonstrate the proper procedure for a tire change including all tools used and proper safety precautions taken.
- 5) EMOTIONS AND DRIVING – List, explain and demonstrate at least five emotions that affect driving. Give examples of how to keep emotions in “check” so they don’t have a negative impact on driving.
- 6) VISION AND DRIVING - Explain and demonstrate the types of vision used in driving. What are things that can affect these types of vision and how can you keep them at an optimal level.
- 7) DRINKING AND DRIVING – Explain and demonstrate how drinking can affect a person behind the wheel. List all penalties and outcomes that are possible if a person is convicted of a DUI in New Jersey.
- 8) OTC/PRESCRIPTION DRUGS AND DRIVING – Explain and demonstrate the difference between OTC (over the counter) and prescription drugs and how they can affect driving. Explain precautions that must be taken!
- 9) ILLEGAL DRUGS AND DRIVING – List at least 5 illegal drugs, explain and demonstrate how they can affect driving. Explain precautions that must be taken!
- 10) LONG/SHORT TERM ILLNESS AND DRIVING – List at least 4 of each, explain and demonstrate their affects on driving and what can be done to compensate for these illnesses.
- 11) DRIVING IN ADVERSE WEATHER CONDITIONS – List, explain and demonstrate at least 5 adverse weather conditions, how they affect driving and precautions that need to be taken.
- 12) PASSING AND BEING PASSED – Explain and demonstrate how, when and where it is safe and legal to pass. Include passing on a one way, two way and multiple lane highway.

- 13) TURNS – Explain and demonstrate the proper procedures and precautions for a 2 point turn, 3 point turn, U-turn, Left turn and Right turn.
- 14) PARKING – Explain and demonstrate the proper procedures for the following types of parking: angle, perpendicular, parallel, garage, up hill and down hill. Make sure to include the areas where it is unsafe and illegal to park.
- 15) STEPS TO TAKE IF YOU ARE INVOLVED IN A COLLISION – Describe what steps to take if you are involved in these situations as a driver: Slight fender bender, collision with minor injuries and collision with major injuries. What procedures would you follow if you were the first person on the scene of an accident? Be Specific!
- 16) NATURES LAWS – Explain and demonstrate how the following laws affect driving: Gravity, Inertia, Momentum, Friction, Kinetic Energy, Centrifugal Force and Centripetal Force. Make sure to give specific examples of each!
- 17) BUYING A CAR – Determine what factors are involved in selecting a vehicle? What should you know about buying a new car? Used car? How to obtain financing? What specific resources are available to help you make these decisions?
- 18) NJ INSURANCE – List and explain all types of insurance offered for a vehicle in NJ? What are the mandatory types of insurance in NJ? Compare the specific types of insurance offered by a minimum of three different insurance companies available in NJ. What factors influenced the cost of the insurance premiums? What are the types of discounts offered and how can you get them? You must include and compare the three quotes in your project.
- 19) ROADSIDE ASSISTANCE PROGRAMS – List and explain the features/benefits included in having a roadside assistance program? Research and compare 3 separate roadside assistance programs?
- 20) VEHICLE MAINTENANCE – List and explain each of the vehicles systems how to maintain them. What items need to be serviced in a vehicle? How often does each of these need to be checked? How much does each of them cost? How do you decide where to take your car for its maintenance?
- 21) WASHING, WAXING AND DETAILING – Explain and demonstrate the proper procedures for washing, waxing and detailing a vehicle. Include when, where, how, products to use and safety precautions for each of these procedures.
- 22) PREPARING FOR A LONG TRIP – Explain and demonstrate how to prepare yourself and your vehicle for a long trip in warm weather and a long trip in cold weather.
- 23) EXPLAIN A ROUTINE TRAFFIC STOP – What will you need to show the officer? List and explain ten Do's and ten Don'ts
- 24) PROCEDURES FOR SHARING THE ROADWAY – with Pedestrians, Bicycles, Motorcycles and Large Trucks
- 25) EXPLAIN THE DANGERS OF INATTENTION AND FATIGUE WHEN DRIVING – give examples and what you should do to avoid these situations.