

# Mr. G's Transportation Unit Exam Study Guide

Review the following information in preparing for the exam.

Know the following concepts:

- Intermodal Transportation
- Buoyancy
- Drag
- Lift
- Magnetic Levitation
- Friction
- Traction
- Propulsion
- Propulsion System
- Power transmission
- Thrust

Know the purpose of the Technological Design Process and the order of steps (8 steps).

Know the five modes of transportation.

(air, rail, road, water, space)

Know the five sources of power that all vehicles use.

(human, internal combustion engine, electric motor, nuclear, wind)

Be able to identify gears, pulleys, sprockets, chains, and driveshafts.

Study the vehicle diagram on the last page of the Power Transmission packet. Know the placement of the Engine, Transmission, Driveshaft, Differential, Axle, and Wheels.