Investigative Learning

Students should use the internet, encyclopedias and other library resources to complete the following activity.

1. What commodity fuels a subway? ________________________________________________________
   Does a subway have wheels? __________________________________________________________
   List two cites that utilize a subway system. ______________________________________________

2. What commodity fuels an ice resurfacer? (Commonly known as a Zamboni.) ______________________
   Does an ice resurfacer have wheels? ________________________________________________
   What type of business would utilize this vehicle? _______________________________________

3. What commodity fuels a blimp? _________________________________________________________
   Does a blimp have wheels? _________________________________________________________
   What is one function that a blimp serves for the military? _______________________________

4. What commodity fuels a barge? _________________________________________________________
   Does a barge have wheels? _________________________________________________________
   What other vehicle does a barge depend on for transporting goods?
   List 3 commodities that a barge transports.___________________________________________

5. What commodity fuels a snowmobile? ____________________________________________________
   Does a snowmobile have wheels? ____________________________________________________
   Describe the bottom of a snowmobile. ________________________________________________

6. What commodity fuels a hovercraft? _____________________________________________________
   Does a hovercraft have wheels? _____________________________________________________
   Where is a hovercraft used? ________________________________________________________

7. What commodity fuels a helicopter? _____________________________________________________
   Does a helicopter have wheels? _____________________________________________________
   What does the pilot use to steer a helicopter? ________________________________________

8. What commodity fuels a steam engine? ___________________________________________________
   Does a steam engine have wheels? ___________________________________________________
   What part of an engine does the steam come from? ____________________________________

9. What commodity fuels an airplane? _____________________________________________________
   Does an airplane have wheels? _____________________________________________________
   What are two tools that control the directional movement of an airplane? 
   ________________________________________________________________________________

10. What fuels a hot air balloon? __________________________________________________________
    Does a hot air balloon have wheels? _________________________________________________
    Can the pilot steer a hot air balloon? _______________________________________________
Investigative Learning

Students should use the internet, encyclopedias and other library resources to complete the following activity.

1. What commodity fuels a subway? Electricity
   Does a subway have wheels? Yes
   List two cites that utilize a subway system. Chicago, New York City
2. What commodity fuels an ice resurfacer? (Commonly known as a Zamboni.) propane, natural gas, electricity
   Does an ice resurfacer have wheels? Yes
   What type of business would utilize this vehicle? Ice rinks
3. What commodity fuels a blimp? gasoline
   Does a blimp have wheels? 1 wheel for safely landing
   What is one function that a blimp serves for the military? Surveillance
4. What commodity fuels a barge? Diesel
   Does a barge have wheels? No
   What other vehicle does a barge depend on for transporting goods? Tug
   List 3 commodities that a barge transports. Heavy bulky items, another way to move grain, coal, oil, chemicals, trash
5. What commodity fuels a snowmobile? Gasoline
   Does a snowmobile have wheels? No
   Describe the bottom of a snowmobile. Skis
6. What commodity fuels a hovercraft? Diesel
   Does a hovercraft have wheels? No
   Where is a hovercraft used? To reach areas that are inaccessible on foot.
7. What commodity fuels a helicopter? Jet A fuel
   Does a helicopter have wheels? No
   What does the pilot use to steer a helicopter? Cyclic stick controls forward, backward, and side to side.
8. What commodity fuels a steam engine? Coal and water to make steam
   Does a steam engine have wheels? Yes
   What part of an engine does the steam come from? The boiler (firebox)
9. What commodity fuels an airplane? Jet fuel based on kerosene
   Does an airplane have wheels? Yes to land
   What are two tools that control the directional movement of an airplane? Tiller – to steer on ground. Yoke for flying
10. What fuels a hot air balloon? Liquid propane gas
    Does a hot air balloon have wheels? No
    Can the pilot steer a hot air balloon? No, it drifts with the wind.