

Montessori School of
Hylton Davis Pensacola

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Energy Conservation: Doing My Part

A couple of weeks ago, ESP (Energy Services for Pensacola) visited our school. They discussed a couple things, namely renewable, non-renewable energy, convection conduction and radiation. Teaching our class about energy efficiency methods and for future reference as of natural gas.

Renewable energy sources are sources that we can either use over again or sources we will never run out of. Examples of renewable sources are water, leather, paper, and wood. Now, there are also renewable fuels and materials such as bio-fuel, biomass, geothermal, hydroelectricity, solar energy, tidal power, wave power, and wind power. We see renewable sources like water, leather, and paper in our everyday uses. We can also use recycled paper. At our school we use recycled paper to preserve trees.

Non-renewable energy sources can either only be used once or a couple times. Examples of non-renewable energy sources are fossil fuels, gas, and oil. Today we find that these non-renewable energy sources can be found in automobiles, kitchens, lawn mowers, boats, and tractors.

Convection is the movement of molecules between fluids and rheids. Convection cannot take place in solids. In our school we have been studying convection and its impact on our earth. Convection is also a method by which we lose heat. We can find convection in convection ovens, hence, the word convection.

In heat transfer conduction (or heat conduction); heat is transferred from a higher temperature to a lower temperature. Instead of turning up your electric heater people are

now buying ESP natural gas heaters that conserve energy. People can also install eco friendly insulation. ESP has now made their natural gas heater that conserves energy unlike electric heaters.

Radiation of heat is when heat travels through a medium and is absorbed by another body. Radiation conservation is solar and wind power. We can conserve electricity and preserve our earth's resources with radiation especially solar and wind power.

Our school recycles everything plastic. This year we have been trying to go "green." Our school has made stainless steel water bottles, which we use a lot. Everyone in our community can recycle and reuse. The ways we can do this is by natural gas and eco friendly insulation. Our community can use recycled paper, reuse plastic water bottles, and use energy saving light bulbs in place of standard light bulbs. In my neighborhood, eco friendly insulation it is becoming more common. It is coming to our attention that we can at sometime lose our resources so now ESP is thinking of new ideas that will help our community and our world. It is so important to conserve our own resources. We all should start to recycle. We should all buy stainless steel water bottles. Energy conservation should not be the exception; it should be an everyday habit. I have talked to my parents about getting a natural gas heater and they think it would be a good idea. They think everyone should have a natural gas heater. Many of my friends have natural gas and use it for cooking in their kitchen. Natural gas heats up faster and you know not to touch it because it flames. ESP has taught me and my classmates about the environment and I would like to thank ESP for teaching me about the environment.