Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_\_\_\_\_\_\_\_

Assignment Sheet 7th Grade

Week of February 8, 2016

Objective: Today I am classifying common materials as conductors or insulators of thermal energy. I am also predicting the differences in temperature over time on different colored objects. I am using the Kinetic Molecular Model to explain changes in the temperature of materials. I am conducting an investigation to determine the results of my experiment. Finally, I am describing the interactions of like and unlike charges (magnetic, static electricity, and electrical).

\_\_\_\_PowerPoint Notes: Thermal Energy Insulators and Conductors

\_\_\_\_Quiz: Insulators and Conductors Score:\_\_\_\_\_\_\_\_\_\_ <http://www.educationquizzes.com/ks2/science/thermal-insulators-and-conductors/>

\_\_\_\_Science Fair….Experimental Design Page and Data Table for your experiment (right after the conclusion page (background)

\_\_\_\_Bibliography Science Fair (watch how to video on my Weebly page)

\_\_\_\_Lab: Predict differences in temperature over time of materials of different colors. (Materials provided by the teacher)

\_\_\_\_Science Fair: Conduct experiment record results in a data table and graph results.

\_\_\_\_Notetaking: <http://www.physicsclassroom.com/class/estatics/Lesson-1/Charge-Interactions>

\_\_\_Lab: Interaction of Charged particles (see teacher for materials)

\_\_\_Science Fair: Experiment complete, recorded data, all sections of packet complete, and conclusion evident

\_\_\_PowerPoint Notes: Electricity

\_\_\_\_Science Fair: Conclusion

\_\_\_\_PowerPoint Notes: Insulators and Conductors

\_\_\_\_Video Summary: Study Jam: Electricity

Video: Insulators and Conductors

http://www.bing.com/videos/search?q=conductors+and+insulators+electricity&&view=detail&mid=8AA6D5777DE056CC00618AA6D5777DE056CC0061&FORM=VRDGAR

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\_\_\_\_\_\_Science Fair Display Board Complete