



Acadiana Luxury Homes Co.

Dear 6th Grade Students,

We are a premier home building company founded in 1951 in Northern Canada. We have created and designed unique homes for many people including famous music artist and authors from all around the world. We want to build the most advanced and hi-tech kitchen utilizing the three kinds of thermal energy: conduction, convection and radiation. We are challenging students across the nation to a kitchen design contest to help us pick kitchenware for our state of the art kitchen. We are inviting you to help us compete in this contest!

DRIVING QUESTION: In what ways could we design a billboard that incorporates and utilizes thermal energy to present to home builders in your community?

To enter, you must create teams of 3-4 people to take on the job of designing a billboard of a kitchen appliance to enter in the contest. Your team will need to create a billboard showing your kitchen appliance along with how it works and why we should put your appliance in our kitchen. We also want a presentation explaining what your appliance is, along with an explanation of all of the kinds of thermal energy. In order to compete, you must meet all of the project requirements below.

Project Requirements:

- Provide a billboard poster board of your appliance that includes:
 - a. The name of your group members
 - b. The name of the appliance and what method of thermal energy it uses.
 - c. Explanation of how this appliances uses thermal energy and how the thermal energy works.
 - d. A detailed colored picture of the appliance
- 3-minute presentation using presentation software of your choice that includes:
 - a. The name of your group members
 - b. The name of each appliance and what method of thermal energy it uses.
 - c. Explanation of how each of these appliances use thermal energy and how the thermal energy works.

Due Dates:

- March 17th, 2016 - Social Contract and Knows/needs to knows due
- March 18th, 2016- Workshop is due
- March 21st, 2016 At the end of class, DIY, Presentations, and projects are due
- March 22nd, 2016 Presentations and projects are presented

Photo creds: <http://artidea.xyz/wp-content/uploads/2016/02/luxury-modern-home-2014-design-home-with-regard-to-modern-luxury-home-designs-plan.jpg>