

The Day in the Life of _____

Using Different Forms of Energy

Project Went Home: Monday/Tuesday, November 5, 2012

Due Wednesday, November 14, 2012

Digital Projects are due by Tuesday, November 13, no later than 9pm

Objective: Students will create and describe one day in their life using different forms of energy.

Criteria

All forms of energy we are discussing are a form of Mechanical Energy. In each scene, the student must include if it is using potential or kinetic energy.

Students must include the following:

- at least eight (8) different scenes that they are involved in throughout a day and how that form energy played a role in that specific scene.
- include the different forms of energy (heat/thermal, sound, light and electrical energy)
- each scene must describe how at least one form of energy was used.
- students must describe each type of energy at least twice.

Materials:

Students have the option to create the project using any of the three project layouts:

- a comic strip
- a student-created book (diary)
- posterboard (laid out as a schedule)

To create the project students options are to illustrate each scene, use photos taken of them or use real-world images from magazines, or newspapers for any of the three layouts. BE Creative! The more unique the better!

This project can also be created DIGITALLY. This is OPTIONAL. Extra points won't be given for completing a Digital Project. Digital Projects must be turned in (links must be posted on Mr. Harris' website (epsilen.com/beharris2 or www.schoolbmanharris.weebly) Directions will be on the first page of each site. Or you can email the link to Mr. Harris' email at beharris2@aldine.k12.tx.us

The project can be laid out using the following online applications.

- the comic strip can be created online at www.pixton.com
 - to see how to create a pixton comic visit <http://www.youtube.com/watch?v=HJzHAZtlpio>
- the student-created diary can be created online using www.flipsnack.com
 - to see how to create a flip book on flipsnack view this how-to video <http://youtu.be/IFslwx6wohE>

- Mrs. Glass' example of a flapsnack: <http://snack.to/fup3bjjh>
- the posterboard layout can be created online using edu.glogster.com
 - to see how to create a glog, view this how-to video <http://youtu.be/JlhCDKbAoIU>

PLEASE ASK YOUR PARENTS PERMISSION TO SIGN UP FOR AN ACCOUNT BEFORE USING THE WEBSITES.

Students must show how one energy can transform into another form of energy in 4 of the 8 scenes. Example: "I woke up this morning to the sound of my electric alarm clock." At the bottom an explanation can explain how the alarm is sound energy because you can hear it and it is plugged into the wall providing electricity for it to work.

If you have any questions or concerns please feel free to email me at beharris2@aldine.k12.tx.us, call 281-878-0380 or 832-510-7529 (conference time 9:30-10:20 am daily) or check out the class website: <http://www.epsilon.com/beharris2> for information, and examples of project.—DO NOT COPY the examples, please.

*****PARENTS: A social studies project will be assigned the day when the science project is due. Please be on the lookout for this project.*****

Student-Created Template Grading Rubric:

There are at least 8 different scenes, each includes a least one form of energy in a written description.	16 pts. _____
The student's project has examples of all 4 energy forms (heat/thermal, light, sound and electrical energy) used at least twice.	8 pts. _____
Student used a poster board or large sheet of construction paper, a student created diary or used a digital format (only using the recommended websites)	10 pts. _____
Anything written is HANDWRITTEN by the student and/or is using real-world print from newspapers or magazines.	10 pts. _____
The project is creative and neat in appearance.	10 pts. _____
The scenes include at least one energy form in the description of what the student is doing in the scene	16 pts. _____
The student explained in 4 scenes how one type of energy transformed (changed) into another type of energy for each form of energy.	12 pts. _____
Pictures were taken from the internet, newspaper, sale papers, magazines or could be drawn by the student (if drawn, must be colored NEATLY)	8 pts. _____
Directions form turned in with project.MANDATORY! (parent signature required)	10 pts. _____
TOTAL: _____	

Please return this portion to Mrs. Glass or Mr. Harris no later than Thursday, November 8, 2012

Student Name _____ Homeroom _____

Parent Or Guardian _____

Contact # _____ Email _____

Completing the project using the following template:

_____ hands-on _____ or _____ digital (parents must grant permission)

My child will be creating the following (circle one)

_____ Comic Strip _____ Student-Created book (diary) _____ Posterboard

_____ I give my child permission to complete this project using one of the online websites. I understand that they will have to create a FREE account on the website to complete the assignment. (this must be created at home with parental approval) My child will use the following application _____ for the digital project. .
_____ (select one of the above sites)

_____ I do not give my child permission to complete this project using one of the online websites. My child will complete to this project using hands-on.

I have read and understand that my child has a project for their Science class that must be completed at home for a major grade (which is worth **60 %** of their final grade).

I am signing below acknowledging my knowledge of the project and that it's due date is **Wednesday, November 14, 2012**, and if I decide to do the digital project that it will be due on **Tuesday, November 13, 2012** with an email link to beharris2@aldine.k12.tx.us by 9pm. I am also signing **acknowledging that my child will have a social studies project assignment the day when the science project is due.**

Parent Signature _____

Student must sign here _____