

Knowing Energy: The Big Picture



Energy Revealed
Learner Worksheet Answer Key
Level 1-2: Grades 3-8
Level 3-4: Grades 9-12

Reminder:

- kWh = kW x Time (hours)
- 1 kW = 1000 Watts

Level 1 Questions/Activities:

1. Using everything you have learned so far, pick an energy-saving goal(s) for your home or lifestyle. (i.e. lower energy cost, lowering greenhouse gases, educating your household, or simply understanding how energy is used).

Goal(s):

Possibilities are endless here, get creative!

2. Develop a plan to achieve this goal.

Plan:

Possibilities are endless here, get creative!

3. **Develop a short presentation in the format of your choice in order to present how you will achieve this goal. Be Creative! Use PowerPoint, YouTube, posters etc. the possibilities are endless.**

Level 2 Questions/Activities:

Note: Complete level 1 questions/activities first if you haven't already done so.

1. **Do it! Take at least two of your ideas or goals from part one and bring them to life. Remember simple ideas sometimes do the most.**

2. **Document how you brought your ideas to life.**

Observations:

Personal to each learner.

3. **See if they work. There are many ways to see the results. Quantitatively or qualitatively. (i.e. looking at energy bills and seeing them drop, tracking if your front door is closed more often, watching less tv or playing fewer video games).**

Results:

Personal to each learner.

4. **What are some of the non-energy benefits from your plan (i.e. less time watching tv = more time learning or playing outside.)?**

Some non-energy benefits include but are not limited to; financial savings, a more comfortable home, increased quality in things like lighting and reliability of certain devices etc.