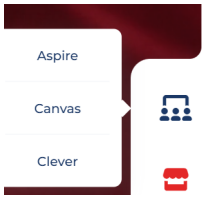
Dear Parents,

Here is the work for our Virtual Learning Day. Please help your student complete assignments.

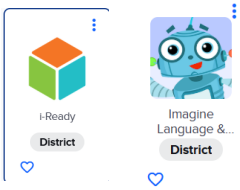
Instructions for Logging in to Canvas



1. Go to hawthornacademy.org
2. Hover over the Clever icon (it looks like this:
3. Click Clever
4. Select “Login with Google”
5. Click

6. Enter your student’s username:
   firstname.lastname (no spaces) followed by @hawthornstudent.org
   Example: *emily.smith@hawthornstudent.org*
   Password: hawthorn lunch number (no spaces)
   Example :hawthorn1234

Accessing iready and imagine learning



1. Once logged in, locate and click the iready icon.
2. This will take them to their lessons they need to work for 15 minutes
3. Once they finish that they will click on the Imagine Learning icon.
4. They will work on this for 20 minutes.

Assignments for the day

1. The assignments are attached, scroll down to see the assignments for today.
2. You can either print the assignments or students can write their answers on a separate piece of paper and turn that in to their teacher when we return to school. Or you can email a picture to the teacher.

Thank you for your support in helping your student succeed on our virtual learning day!

Long Division with remainders within 1-1,000

Grade 4 Division Worksheet

Find the quotient with remainder.

1. $3\overline{)181}$

2. $5\overline{)225}$

3. $4\overline{)319}$

4. $4\overline{)850}$

5. $6\overline{)260}$

6. $5\overline{)392}$

7. $5\overline{)684}$

8. $7\overline{)700}$

9. $6\overline{)765}$

Multiply in columns - 2 digit by 2 digit

Grade 4 Multiplication Worksheet

Find the product.

1. $\begin{array}{r} 35 \\ \times\ 97 \\ \hline \\ \end{array}$

2. $\begin{array}{r} 36 \\ \times\ 20 \\ \hline \\ \end{array}$

3. $\begin{array}{r} 29 \\ \times\ 64 \\ \hline \\ \end{array}$

4. $\begin{array}{r} 53 \\ \times\ 95 \\ \hline \\ \end{array}$

5. $\begin{array}{r} 71 \\ \times\ 74 \\ \hline \\ \end{array}$

6. $\begin{array}{r} 74 \\ \times\ 11 \\ \hline \\ \end{array}$

7. $\begin{array}{r} 19 \\ \times\ 77 \\ \hline \\ \end{array}$

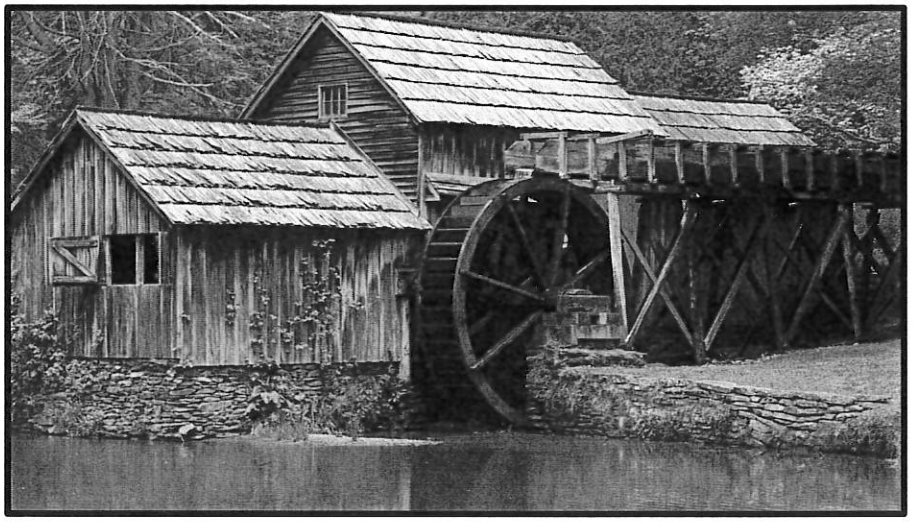
8. $\begin{array}{r} 96 \\ \times\ 58 \\ \hline \\ \end{array}$

9. $\begin{array}{r} 68 \\ \times\ 17 \\ \hline \\ \end{array}$

ENERGY TRANSFERS IN ACTION

Energy transfers happen all around us. The chemical energy of food being digested in your stomach is transferred into heat and kinetic energy. Windmills generate electricity from kinetic energy. It's happening everywhere! People have learned exactly how to transfer many forms of energy so that we can use the energy to do work for us.

In fact, people make machines that help make energy useful for us. What kinds of machines do this? Below, you can learn about a few important energy transferring machines:



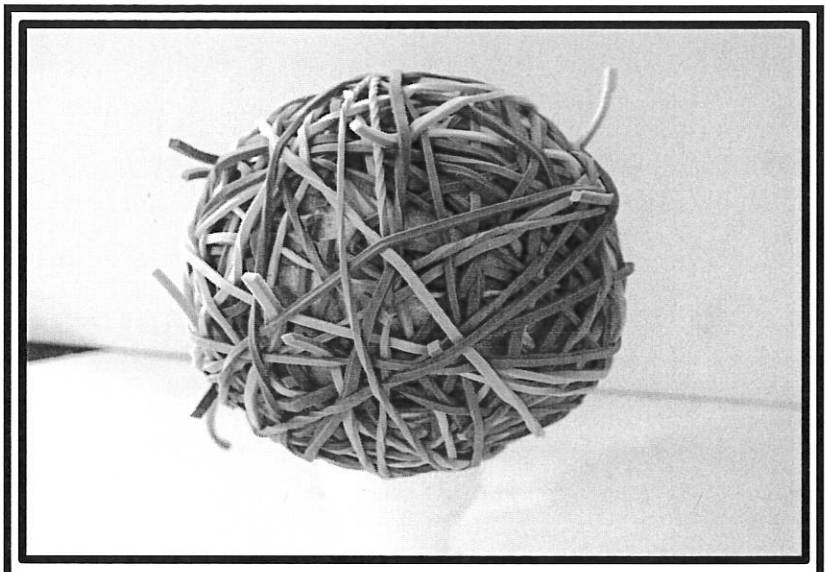
At first glance, it might not seem like this wheel is very useful. However, the waterwheel pictured here has a big job to do. This waterwheel helps produce energy from the stream of water.

Waterwheel

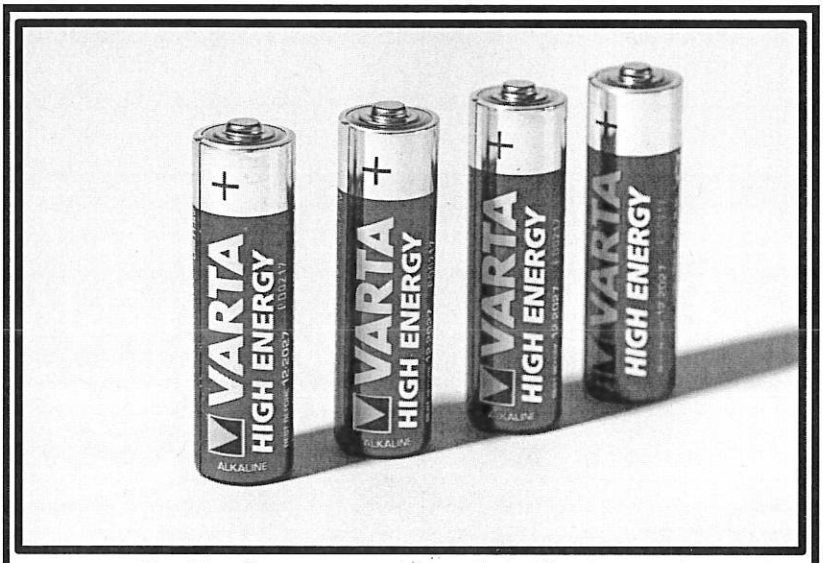
Have you ever seen an old waterwheel alongside a river? These water powered machines used to provide energy to grind flour and complete other jobs. The way they work is that the water in the stream pushes on the wheel's paddles, spinning the wheel. The water pushes the wheel because it is naturally flowing down a river or stream. The rotation of the wheel moves a cog or gear which can in turn move other parts of a machine. So, the kinetic energy of the water moving downstream is harnessed, in many cases also as kinetic energy. However, the same idea is used in hydroelectric dams which transfer water's potential energy into electricity.

Springs

Have you ever stretched a rubber band and then let it go? It flies across the room! The potential energy of the springy band transfers into kinetic energy as it moves. The same is true with springs. When they're contracted, they hold tremendous potential energy until released. If you ever want to see a powerful spring in action, buy a mouse trap. In this application, the spring provides explosive kinetic energy to move a bar that traps the mouse.



Have you ever made a giant rubber band ball like the one pictured above? If so, I bet you never thought of all of the potential energy that was being held in your hands!



Batteries are probably the most recognizable form of energy today. However, you might not be able to recognize the energy transfer taking place when you use them!

Batteries

This famous way to store chemical energy can easily be transferred into electricity with a few wires. All you need to do is make a circuit. Then, the batteries will transfer their energy into electricity. Finally, you can transfer that energy into kinetic energy to run a remote control car, light a light, or even create heat.

These are just a few examples of energy transfers. There are plenty more to explore! Look around you and see what types of energy transfers you see taking place.

VOCABULARY BUILDER

Find the words below in the text. Copy the sentence the word is used in. Then, make an inference about what the word means using context clues. Finally, look up the actual definition using a dictionary. Try drawing a simple sketch to help you remember the meaning of the word.

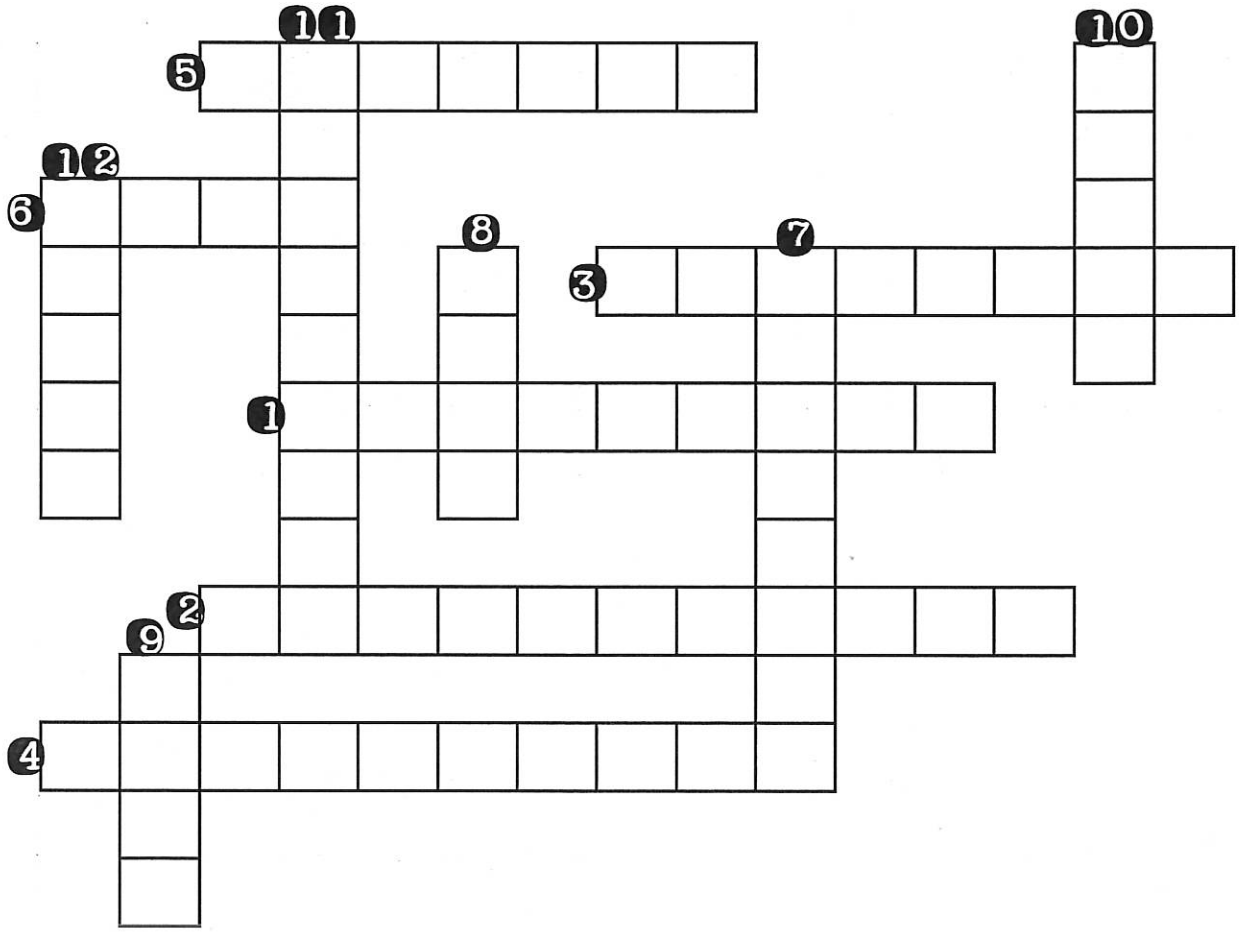
Word	Sentence from Text	Inferred Meaning	Actual Definition & Sketch
chemical energy			
transfer			
kinetic energy			

VOCABULARY BUILDER CONTINUED...

Word	Sentence from Text	Inferred Meaning	Actual Definition & Sketch
harnessed			
potential energy			
contracted			
energy transfers			

VOCABULARY CROSSWORD PUZZLE

Use the clues below to complete the crossword puzzle.



Across:

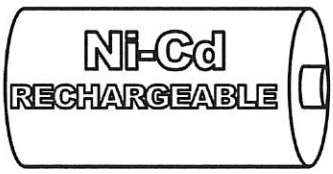
1. Energy _____ happen all around us.
2. Windmills generate _____.
3. _____ help us use energy.
4. A _____ uses water to create energy.
5. _____ have potential energy.
6. Food is transferred into _____ when it's digested.

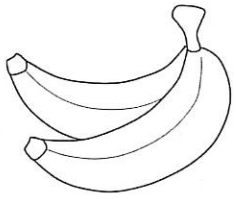
Down:

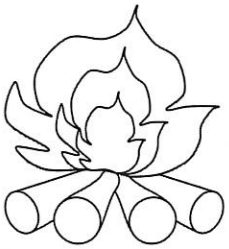
7. Food is a type of _____ energy.
8. A _____ helps move parts of a machine.
9. Hydroelectric _____ transfer energy from water.
10. _____ is an example of kinetic energy.
11. Rubber bands are an example of _____ energy.
12. _____ means water.

SORTING THROUGH TYPES OF ENERGY

The pictures below show examples of chemical energy. What type of energy can it be transferred into?

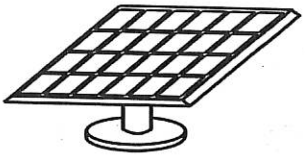


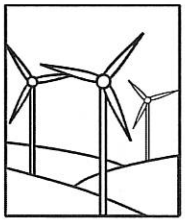


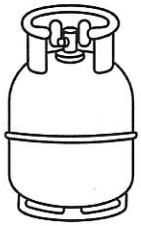


_____ _____ _____ _____

In the pictures below, what is the energy source?

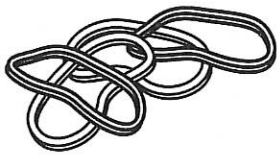


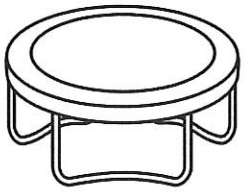


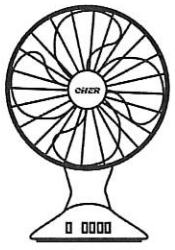


_____ _____ _____ _____

For the pictures below, label whether the item has kinetic energy or potential energy.







_____ _____ _____ _____

ENERGY TRANSFERS IN ACTION

Match the energy sources on the left to the correct transfer process in the center. Then, match it with the correct transferred form on the right. Write each complete process as a sentence below. See the first example for help.

Energy Source	Transfer Process	Transferred Form
skateboard on top of a ramp	burned	heat
wood	falls	mechanical energy
battery	digested	light
fuel	connected to wires	elastic energy
springs on a trampoline	burned	electricity
avocados	released	heat

1) When a skateboard on top of a ramp falls, it can create mechanical energy.