

Day 2: Discovering Compare and Contrast

English Language Arts

Compare - refers to the process of identifying the similarities and differences between 2 things.

- Look around your house and find **6 sets of 2 items**.
- When you find these sets of items, take 2 of the items and write 3 things that are the same and 3 things that are different. **-Do this with all 6 sets.**

Contrast - refers to identifying only the differences between 2 things.

- Look around your house and find **6 different sets of 2 items**.
- When you find these sets of items, take 2 of the items and write 5 things that are different about each item.
- After the Compare and Contrast activity, summarize in 5 sentences what you have learned about these skills.

Day 2: Rate/Unit Rate Part 2

Math

Describe the terms from Day 1 by using an example of riding in a car. The rate at which you travel is comparing two different quantities. It compares the distance you drive (miles) to the amount of time (hours) that you travel. Most commonly, it is expressed in miles per (one) hour which is the unit rate because it describes the rate by simplifying the denominator to one hour.

Create a word problem using unit rate. If possible, trade with a partner from class and then solve.

Your Word Problem:

If applicable, name of classmate whose word problem you solved _____

Classmate's Word Problem:

Day 2: Energy Exploration

Science

Now we will do an activity to show that energy is never created or destroyed! You will need 3 baggies, one with 10 buttons, one with 10 pennies, and one with 10 paper clips, which will symbolize different forms of energy.

Take a look at the baggies and recognize that the energy is the same in each baggie! Now spill them all out and mix things up a bit, at random put 10 items back in each baggie and observe... did the energy in their bag now change? Did any energy get lost or gained?

Tomorrow we are going to take the information you learned so far and make our own roller coaster so use the rest of today to think about a rough draft of what you would build!

Day 2: Racer

Social Studies

A brief history of Kennywood Park will lead into the history of the following five Kennywood roller coasters.

1. The Racer
2. Thunderbolt
3. The Jack Rabbit
4. Phantom's Revenge
5. Steel Curtain

Write down what you find interesting about each coaster. Is there anything that you would want to know more about? Is there anything about each coaster that you do know about?

Research the first coaster on the list above. Then please answer the following five questions about the Racer. Please write at least three sentences for your answers.

1. When was the Racer first built and who designed it?

2. Describe what kind of roller coaster it is.

3. What was its top speed? And its highest and lowest points?

4. What changes have been made to the Racer over the years?

5. According to the information you found about the Racer, do you believe the Racer should still be in operation? Explain your decision.

- All research material can be printed from this site
[https://en.wikipedia.org/wiki/Racer_\(Kennywood\)](https://en.wikipedia.org/wiki/Racer_(Kennywood))