LIGHT
Journal Ideas or Bell ringers

- On February 2nd people wait patiently to see if the groundhog will see his shadow. It is believed that if he sees his shadow, he will return to his den and we will have 6 more weeks of winter. Use the concepts about light which you have learned (refraction, reflection, and/or absorption) to explain how the sunlight interacts with the groundhog to form a shadow.

- Thomas Edison was born on Feb. 11, 1847. He is famous for his invention of the light bulb. Explain what your reaction might have been if he explained to you what he had just invented at that time in 1847. Remember, in 1847, people used candles and lanterns to light their homes.

- Name the colors of a rainbow in order as they appear. The mnemonic ROY G. BIV may help you. (red, orange, yellow, green, blue, indigo, violet)
  Indigo is now cyan (see background section in refraction lesson), Have the students come up with a new mnemonic device.

- If you see a double rainbow, the farthest one is a mirror image of the first. Write the colors of the second rainbow in order left to right. (violet, cyan, blue, green, yellow, orange, red)

- Write the word "light" vertically. Now write the name of a term you have learned about light that begins with each of the letters in the word, "light"

  L
  I
  G
  H
  T

- Think of five situations when light might be strong enough to damage your eyes.

- List ten words related to light. In your own words, tell their function or definition. You can include a drawing or diagram also.

- Put an image or word on the board. Have the students draw a mirror image of the drawing. Let the students use a mirror to check their work.

- Write your name in such a way that it appears correctly when you look at it in a mirror.

- Explain why the word "ambulance" is written as it is on the front of the ambulances below.

- Do you think it is written the same way on the back of the ambulance? Explain your answer.
- Write 10 ways that light affects your everyday life. Explain at least 3 of them.
- Write a paragraph describing how your life would change if all “light” disappears.
- Describe a situation when light might be used to communicate.
- Create a t-chart listing sources of artificial light / natural light.
- It’s Halloween and your family is going out. What type of clothing should you wear to be seen clearly in the dark night? Explain your choice.
- What color clothes would be best worn on the beach on a hot summer day, if you want to stay cool? Explain your choice.