Color
Definition: n. A component of light which is separated when it is reflected off of an object.
My favorite color is ______________.

Activity Idea:
Chlorophyll Experiment!
Chlorophyll provides all that green color you see in leaves throughout summer and spring. But in the fall, because of changes in the length of daylight and temperature, the leaves stop their food-making process. The chlorophyll breaks down, the green color disappears, and the yellow, orange, red, and brown colors become visible.

Materials:
• Different types of leaves
• Glass cup
• Rubbing alcohol
• Plastic wrap
• Coffee filters
• Writing utensils

(Directions on page 2)

Daily Doodle
Draw what you think of when someone says “color”
Chlorophyll Experiment Activity

Directions:

1. Tear the leaves into several pieces and place them in a glass, then add just enough rubbing alcohol to cover them.
2. Cover the glass with plastic wrap to keep the alcohol from evaporating.
3. Put the glass in a dish of hot water for about 30 minutes, until the alcohol turns green as the pigments from the leaves are absorbed into it.
4. Cut a strip of coffee filter paper about a half inch wide and tape it to the middle of a pencil, pen, or other writing utensil.
5. Suspend the pencil across the mouth of the glass and let the strip just barely touch the alcohol and pigment mixture.
6. After about 30-90 minutes you should be able to see the “green” color break up into several different colors as the different pigments begin to separate.
7. You will see different shades of green, and possibly other colors.
8. Which leaves had the most colorful pigments?