Use the Internet or an encyclopedia to research current flags around the world. Make a list of all the colors used in all the flags you find. Once you have listed all of the colors, make a chart listing the number of flags each color appears on. Answer the following questions:

What fraction of the total colors is each color? What fraction of the flags contains each color? Are the two questions you've just answered the same question, or different ones?

Make a variety of graphs based on your findings, including a bar graph, a circle (pie) graph, a line graph, and so on.

Include a discussion of the following questions:

- Which colors were more common than others?

- Which colors were the least common?

- Why do you think some colors are more common than others?

- Does color preference appear to be a universally shared value, or does it differ regionally?

- Are there differences in the proportions of colors used between different continents or areas around the world?

- Do the US State flags have roughly the same proportions of colors that you found around the world?

- How do historical flag colors compare?

Present your findings in an oral report, illustrated by your graphs, to the class.