

Señor Gray's Lingy Challenge #2

An Easy* Coloring Puzzle

*not easy

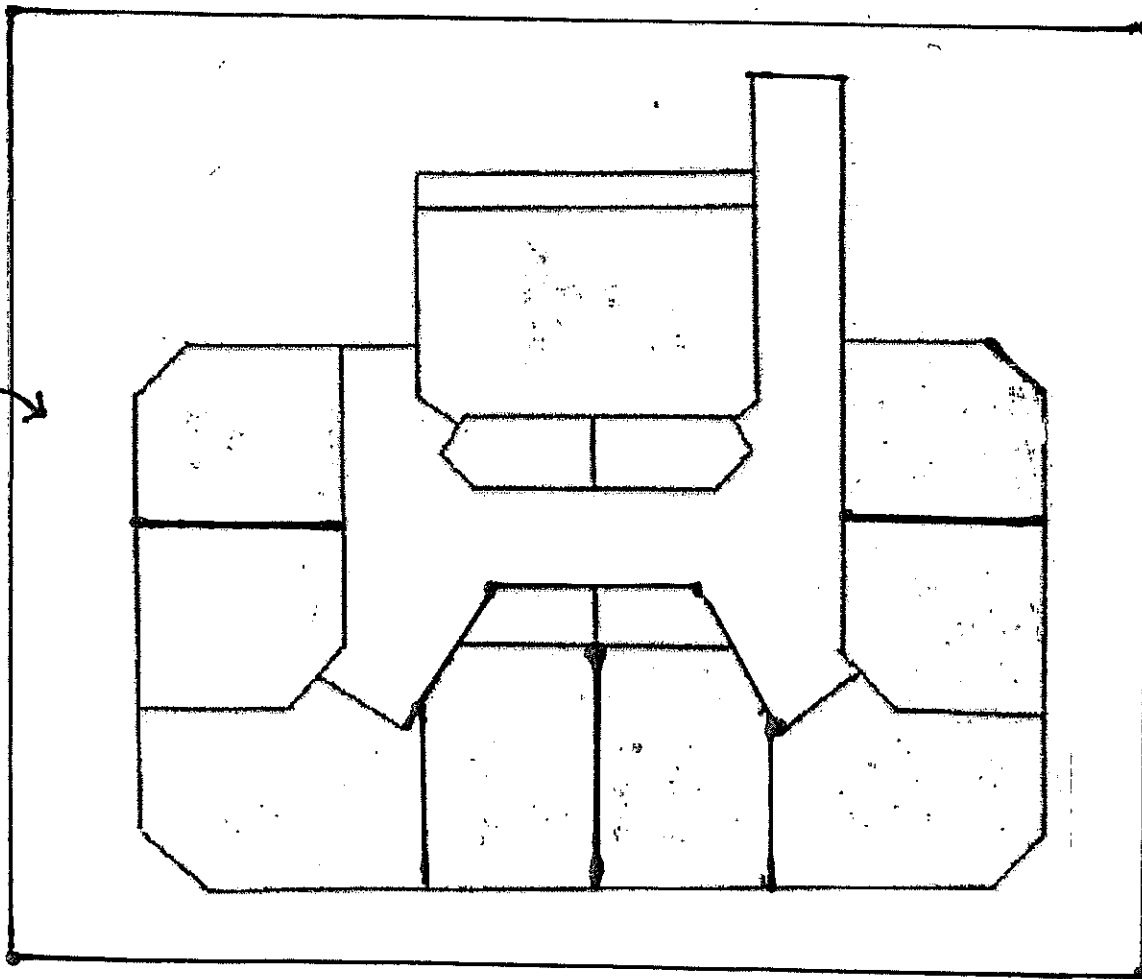
Lingy Challenges help stretch your mind and look at language a little differently. If you like puzzles, you might enjoy trying this out. Our second puzzle is based on colors.

In 1976, two mathematicians proved conclusively that by using four colors, any map could be colored so that no two bordering areas would be the same color. This is known as the **Four Color Theorem**.

The Challenge:

Color the shape below. Can you use **four colors** so that **no two adjacent** (next to) areas use the same colors? Areas that touch **only** at a corner may be the same color. Suggestion: use a pencil and write in the first letter of the colors. You will probably be doing a lot of erasing. Be persistent. If you don't know what *persistent* means, ask many people and don't give up until you find out.

This space must be colored too!



Bonus: What is this a map of?

Rules and Procedures

1. Share the puzzle, but keep the answer to yourself. You might win a prize, but not if you tell everyone.
2. If you think you've solved the puzzle, write **your name and the answer** on this paper and put it in the puzzle answers box in Mr. Gray's room. Be ready to explain how you arrived at the answer. Sometimes I'll check just to make sure you really understand how you got the answer.
3. Winners' names will be announced over the morning announcements.
4. Some students with a winning answer will get to have a computer gaming lunch in Mr. Gray's room.