

Tinker a bit with your cube



Don't scramble your cube yet

- Practice these moves: R, L, U, D, F, B and their twins R', L', U', D', F', B'
- But only 1 move at a time, and undo it immediately so that your cube remains solved the whole time
- Always hold the cube this way so you don't get disoriented:
 - Yellow centerpiece faces up and white centerpiece faces down
- And try to remember which centerpiece is facing you
- Notice how the centerpiece never moves?

Foundational Insights

- Because the 6 centerpieces don't move, solving a Rubik's Cube is to move the 20 other pieces so that their colors all match the centerpieces'
- We will do it layer by layer, starting with the bottom layer, then the middle layer, and finally the top layer