



**CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY**

Name(s) Rachana Madhukara	Project Number J1408
Project Title Devising an Effective Way of Solving the Rubiks Cube	
<div><div>Objectives/Goals The purpose of my project is to devise a method of solving the Rubiks Cube that is not only simple to learn, but also solves the Rubiks Cube fairly quickly.</div><div>Methods/Materials Paper, pencil, computer with an Internet connection and a 3x3 Rubiks cube were used. From my research online, I found out that the Fridrich Method was an effective method to solve the Rubiks cube. However, I realized that the second and third steps were way too hard to memorize and use. Hence, I developed new steps to replace them. By stitching all these steps together, I arrived at an optimal algorithmic sequence. This sequence is way easier to learn and memorize.</div><div>Results The number of moves it takes to solve the Rubiks cube using my method is about 25 percent less compared to the Beginners Method.</div><div>Conclusions/Discussion I conclude that if the number of operations to solve the Rubiks Cube are reduced, then the Rubiks Cube can be solved quickly and effectively.</div></div>	
Summary Statement Devising an easy to learn and memorize algorithm to solve the Rubiks Cube.	
Help Received My parents helped me prepare the display board.	