



**CALIFORNIA STATE SCIENCE FAIR
2006 PROJECT SUMMARY**

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| Name(s) Aaron W. McKinnon | Project Number S1613 |
| Project Title Office Oxygen | |
| Abstract Objectives/Goals How much oxygen do plants small enough to be in an office give off under different ammounts of light? Methods/Materials Procedure- 1.Time candle light inside air tight box, 2.time candle light time with one plant, 3. test 3x under three different ammounts of light, 4.repeat steps 2 and 3 with a new plant then record and compare the data. Materials- air tight box, candle(s), matches, 2 plants, timer. Results The plants gave off app. 3-5 minutes of air under incondescent and flourescent light while under sunlight the plants gave off app. 10-15 minutes of air. Conclusions/Discussion In conclusion, the plants under incondescent and flourescent light made no significant changes in candle light time, on the other hand the plants under sunlight produced enough oxygen for the candle to stay lit for a significant 10-15 minutes. In simpler terms you should try and get an office with a window if you have a plant. | |
| Summary Statement My project is trying to find out if it is worth keeping a plant in your home or office as an alternative oxygen source. | |
| Help Received My father purchased the poster board. My teacher Mr. Casterson helped me with the idea of testing the plants under different ammounts of light. | |