



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Justin J. Arevalo	Project Number J1601
Project Title Some Reasons a Computer Slows Down	
Abstract Objectives/Goals To find some reasons why computers slow down. Methods/Materials The materials I mostly needed was a stopwatch and a computer I first installed the OS and timed the startup time, When that was done I installed applications to my computer and timed the startup time with application, and finally i got a virus and timed the start up time for that Results I got the results I was looking for the OS by itself was had a fast start up time. The start up time for the PC with installed applications took a little bit longer and finally the PC with a virus took about three minutes. Conclusions/Discussion I based my conclusion on my hypothesis, and my hypothesis was If you do not scan and update your computer#s antivirus, then your PC will not be protected from new viruses. The result of my project indicates that my hypothesis was correct. This is true because when the Symantec antivirus was disabled, and I went to the website and clicked on a link and it slowed down my system and made my computer not respond. Then I enabled the Symantec antivirus and it gave me the virus that affected my computer.	
Summary Statement It's about the the affects of applications and viruses on a computer.	
Help Received Dad supplied equipments for project.	