

Jacob Scott  
Delcennia Baxendale  
Derrick Drake  
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## **Supercomputing Challenge Proposal**

The problem that we are trying to solve is the drug usage. There is too much drug abuse in the world and if we maybe show the effects of drugs on the heart maybe we can change the minds of the drug abusers.

Drug abuse is important because the mortality rate in the world, specifically the United States, is increasing dramatically. We as a nation can increase socially and physiologically by eliminating drug abuse. So to the drug abusers around the world, look at this program and maybe, just maybe you will change your mind, drop that drug and get your life together.

For our supercomputing challenge, we decided to create a program of the heart that displays the effects of drugs. We will show five different types of drugs: Heroin, PCP, Marijuana, Ibuprofen, and cocaine. Each drug has a different affect, and an even more drastic affect with the amount of usage. In the program we will display a healthy heart with no drug usage. Then we will have the drugs listed in different tabs off to the side. You can control the amount of the drug used by clicking on the sub tabs. You may combine drugs but the affects will be even more drastic.