

**Team Number:**

**School Name: Los Alamos Middle School and Los Alamos High School**

**Area of Science: Mathematics**

**Title: Prime Numbers**

**Project:**

Since we started participating in the Supercomputing Challenge we have seen many interesting concepts and projects. We have also noticed that most projects do not actually make use of supercomputers to run the code. We wanted to design a project that would give us the opportunity to use a supercomputer.

For this reason, during the course of our project we are going to research and explore different code that will find prime numbers. Once we find the desired code we will attempt to write a parallel program and learn how to write code for a supercomputer.

**Process of project:**

The way we will do this project is research and find algorithms for prime numbers. Then we will write a simple python code and run it on one computer. Once the prime numbers start getting larger we will run the code on multiple machines and then revise the program for a supercomputer.

**Purpose of project:**

The purpose of the project is to explore different algorithms and to make use of supercomputing to find large prime numbers. We want to learn how to write a parallel program and run a code on multiple computers in Python.

**Team members:**

**Dalia Drew**

**Dennis Drew**

**Sponser:**

**Adam Drew**