**Team ID:** SPS132

**School Name:** Sandia Preparatory School

**Area of Science:** Cryptography

**Project Title:** Cryptocurrency

The problem is people's credit card numbers are being stolen and secure the transaction that he/she has made from malware attacks. We want to strengthen the code protecting the card numbers better. This is important because if our credit cards were not protected then all of our information and money would be accessible to anyone.

We hope to learn how to make complex codes and the loopholes that can become a problem to a digital currency card. We hope to discover different uses of programing and how it could be used to the modern day world.

We plan on working on this problem by making the code protecting the credit card numbers today and finding ways to break it and fix this code. We’ll be working in Python and we’ll learn about this problem from bankers and users of this code. We will run the code for anything that allows for people to get credit card codes easily. Hopefully we can strengthen the code with our learned python skills over the course of this year, protecting credit card codes better and more efficiently.

**Team Members**

Evan Custer

Houston Fett

Sarah Maurice

Logan Pierson

**Sponsoring Teacher(s)**

Neal Holtschulte

**Project Mentor(s)**

Neal Holtschulte