Passion Project Plan
This project should take at least 15 hours to complete. Be sure you plan for something that will meet those requirements. You will need to keep a log.

For my Passion Project, I will be creating my own coding language

My project name will be: NVGL: Number & Vector Graphics Language

I am going to: (Below is a list of sentence starters that will help you describe your learning goals.

● Learn about the history and utility of Vector Graphics
● Learn about the "inner workings" of code
● Learn applicative Computer Science skills

For my Passion Project I will:

I will create a coding language for use in computer science. I will gain understanding of

computer science and, in particular, vector graphics, as most of my current knowledge lie in the

basic manipulation and management of small data structurs.

This project is worthwhile because:

I will dramatically expand my repertoire of skills and the depth of my knowledge on computer

science projects.

My specific goals include (at least three- Make them SMART goals The format is in the

Classroom):

1. creation of the basic syntax of the language (Basically what words i can and can't use, as

   well as the order that which those words can exist in) Ideally this is one of the first goals.

   My goal is the 5th hour

2. The application of color spaces, such as RGB and HSL and color choosing. (Its easiest to

   explain this as the number of colors that my language can understand and display. Goal

is the end of 10th hour

3. The application of text rendering (In simplest terms, making sure that you can read words and that if you tube "Cat", "Cat" actually shows up instead of "#F^")

My final product will be:

A basic but applicable graphics language, capable of rendering text and color, as well as simple images.

I will be expected to write posts regularly about my progress on our blog! I would love feedback.

Evaluation:

We will work as a class to co-create the criteria for evaluating our projects.