

September 4, 2018

Chandler Tearney  
1739 Rankin Drive  
Carson City, NV 89701

Advisor: Brian Branch  
Teacher: Johanna Davis & Cheryl Macy  
Carson High School  
1111 North Saliman Road  
Carson City, NV 89701

Dear Mr. Branch:

For my senior project, I plan on working over at the observatory. I have always loved space, I always like to read articles about events happening around us, and just from watching space movie's seeing planets and stars. Junior year I took astronomy class and Mr. Bean had us go over to the observatory and taught us basics on how to use the big telescopes and how to work with the computer's and the programs that can help clear up the pictures we take and makes blurry pictures of planets clear and visible.

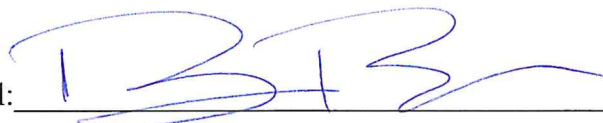
This senior project will take place in the observatory over at WNC and learn how to work the telescope more advanced. Me and my mentor Mr. Bean will head up there late at night with some times like nine to eleven at night. We will be accompanied sometimes by some of the observatory professors over at the college watching the events that will be happening at night. We will be working the big telescope on a couple computer's and record events and use computer programs to clear up the recordings and pictures we take. There will be no costs for this project, all we will need is the WNC building, some computers and programs and a telescope.

Plagiarism is taking someone's work and saying that it is your own. It is not worth risking my graduation day plagiarizing. This type of cheating also ruins the point of even doing this project, there would have been no learning involved with the project. Plagiarism is something I will not practice at all, same with self plagiarism which is reusing a paper if I wrote one last year. Self plagiarism is reusing work that I have done the year before. Cheating will not help me in the future.

Sincerely,

Chandler Tearney

Advisor Approval:

 Date: 2/25/19

Senior Project Proposal: Observatory

By  
Chandler Tiearney

Carson High School  
English IV  
Advisor: Mr. Branch  
Teacher: Mrs. Macy & Ms. Davis  
September 26, 2018

Advisor Approval:



Date:

2/25/19

## Page One: Task Analysis and Timeline

Describe your project, including what you plan to do and what you plan to accomplish. Be as specific and concrete as you can be.

My Project is going to be done over at the observatory. Me and my Mentor will be up there at night setting up the telescope, turning on all the computers and start all of the steps for turning on the telescope. We connect it to the computer and on the computer we can tell is to swerve to a spot and have the telescope move with the earth when we are not making it move. We focus on the spot and can mess with the focus. We then record the event and even take pictures, we use a program to make a blurry video and or picture become more clear.

What will be your product or your hands-on learning? Learning how to work a big observatory telescope, how to turn it on and set it up, then work on the clearness of the video or picture.

Task Analysis: List all the steps you must take and the tasks you must complete to finish your project. Include the number of hours you think each step will take and the approximate date you plan to have that part of the process completed.

<u>Task</u>	<u>Hours Required</u>	<u>Completion Date</u>
1) Asteroid analysis	3hrs	10/21
2) Saturn analysis	3hrs	10/27
3) Star/asteroid analysis	3hrs	11/1
4) Star/asteroid analysis	3hrs	11/5
5) Jupiter analysis	3hrs	11/10
6) Star/asteroid analysis	3hrs	11/14

**Total Projected Hours: 18hrs**

Page Two: Project Cost

List all materials and resources that you will need to complete this project, including the estimated cost for each item listed. You will be responsible for funding your project and will need to make sure that you are willing to spend the amount of money needed to complete your intended project.

Resource/Material	Cost
No costs for this project	

Total Projected Cost for Project \_\_\_\_\_ \$0 \_\_\_\_\_

I understand that Carson High School will not fund my senior project and that I have freely chosen to undertake this project with its associated costs.

Chandler Treanor / 2/25/19  
Signature Date

### Page Three: Obstacles and Learning Stretch

List and discuss at least three difficulties you might encounter with this project. How do you plan to solve each of these problems?

One main difficulty we may encounter is the weather. If it is cloudy outside it is not possible to see through the clouds with the telescope we are using. So our solution is to either wait to see the clouds pass by or reschedule to another day with a event.

Another possible problem is malfunctioning problems with the computers or the WiFi or internet is not working. We will need it for our data and information we need to understand where the event is. We will have to wait it out or go old school and have book and paper.

Possible problem number 3 is the telescope not responding to our computer. We will probably have to dig into the wiring of the telescope and hope to find out what the problem was.

Explain how this project is a learning stretch for you. Indicate *specifically what you expect to gain and how*.

I will learn how to work things at a observatory and record data and send that data to other observatory research facilities to help better understand what is happening out in space and learn new things.

Page Four: Mentor Information Form

(Note: This form may be handwritten.)

Name James Bean Date 10/23/18  
Mentor's Name James Bean Home Phone 775-220-1543  
Cell Phone same Work Phone 775-253-1714 Email jbean@carson.k12-nv.us

**This form should be filled out by the Mentor:**

What is your expertise in the area the student is studying?

Astronomy Teacher

How long have you known this student and in what capacity?

4yr, student & Football player

When you reviewed the proposal with the student, what advice did you give him/ her about the calendar plan?


weather issues

What advice did you give him/ her about the cost analysis?

Minimal

In what way would you change or modify the project OR what problems do you foresee the student might have?

started earlier

Mentor Signature  Date 2/25/19

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_