

1- Introduction

For my senior project I learned how to play the cello. While I've always enjoyed orchestral in popular music I've never learned how to play a string instrument and I thought this was an excellent opportunity to expand my musical knowledge.

My goals for this project were quite simple.

I wanted to:

- ① Learn basic music theory, such as how to identify key signatures, read bass and tenor clefs, and deepen my understanding of harmonic structure.
- ② Learn basic bowing techniques
- ③ Learn the history of the cello, including famous composers and players.

3-Project Rubric

The rubric I will be evaluated based upon is the Learning a new skill rubric. To meet the Planning component of the rubric I had to set aside ample time to practice + research. To document my work and learning I have kept all my receipts, documented my practice in a journal, and made audio recordings. My research was largely conducted with my mentor, Katherine DeWeese. She was invaluable in providing me with direction and →

4 - Project Rubric 2

Additionally, I conducted research at the University of Washington's music library as I began learning about composers. I learned ~~about~~ about composers such as Chopin and Haydn while digging through stacks of music.

5. Product Rubric

My mentor, Katherine DeWeese, and I developed this ~~Product~~ Product rubric together, documenting the standards I would need to reach to be proficient (not good) at the cello.

- Discuss Each Standard + its significance -
 - Theory → had no idea tenor clef existed
 - Technique → B4 technique to prevent trainwrecks
 - History → to help me gain an understanding of classical, not popular music.

6 - Symphony #104

This piece was one of the most difficult that I learned, but it clearly demonstrates how I met several of my goals:

Key Signatures (F, D)

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graph LR; F --> 2b; D --> 2#
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↳ this piece changes keys, and I did not know how to identify that prior to learning the cello.
★ This is a measurable learning stretch!

Tempo -

↳ From Adagio to Allegro

7 - Symphony #104

Staccato + Legato

↳ Prior to beginning this project I had never had to sight-read such complicated music, let alone identify how each passage should be played

★ Learning Stretch! → Adapting to (Applies to all previous topics) somebody else's ideas.

Reading complex rhythms

↳ show how some passages include dotted 32nd notes.

★ Learning stretch! → Learn to count + play 32nd notes efficiently.

8 ~~III~~ - Learning

During this project I learned how to:

- ① How to read bass + tenor clef,
- ② How to identify key signatures,
- ③ How to maintain proper RH position,
- ④ The history of the instrument,
- ⑤ Proper LH position

↳ Bonus learning stretch! →

I thought it would be like guitar. It isn't.

9 - Conclusion

What I learned:

- ① How to read bass + tenor clef
- ② Proper pit technique
- ③ An appreciation of classical music.

QUESTIONS?