

What have you been reading and thinking about across all your courses and on your own? I.

**On My Own:** *A Mathematician's Apology* by G.H. Hardy

This semester I did not get to read as much on my own due to schoolwork, but here are the books that I borrowed or bought and had full intentions of reading but did not get to. They are as follows:

*The Millennium Problems* by Keith Devlin, *100 Great Problems of Elementary Mathematics* by Heinrich Dorrie, *Number Theory and Physics* edited by J.M. Luck, P. Moussa, and M. Waldschmidt, *Number Theory in Science and Communications* by Mafred R. Schroeder, *101 Careers in Mathematics* by Andrew Sterret, *Invitation to the Mathematics of Fermat Wiles* by Yves Hellegouarch, *The Math Book*, *The Mathematics Devotional*, and *The Physics Book* by Clifford A. Pickover, *A Beautiful Mind* by Sylvia Nasar, *Become a Better You* by Joel Osteen, *Audacity of Hope* and *Dreams of My Father* by Barack Obama

**Summer Reading List:** *Book of Meditations and Thoughts for the Day* by James Allen, *Atma Bodh* by Swami Chinmaye, *Bhagwat Rahasya* by Dongreji Maharaj, *Mein Kampf* by Adolf Hitler, *An Autobiography: The Story of My Experiments with Truth* by Mohandas Karamchand Gandhi, *Das Capital* and *Communist Manifesto* by Karl Marx, *Wealth of Nations* by Adam Smith, *The Lost Notebook and other unpublished papers* by Srinivasa Ramanujan, *A Synopsis of Elementary Results in Pure and Applied Mathematics* by G.S. Carr, *An Introduction to Number Theory* by G.H. Hardy and Edward M. Wright, *The Wonder That Was India* by A. L. Basham, writings of Munshi Premchand, writings by Isiah Berlin, Dante's *Inferno*, Ron Chernow's *Hamilton*, *Washington*, *Rockefeller Sr.*, *Lincoln's Political Thought* by George Kateb, *Team of Rivals: The Political Genius of Abraham Lincoln* by Doris Kearns Goodwin, *On Obligations* by Cicero, *Emile, or On Education* by Jean-Jacques Rousseau, writings by Hume, *The Idea of University* by John-Henry Newman, *Ideas: A History of Thoughts and Ideas, from Fire to Freud* by Peter Watson, writings of William James on pragmatism, *Self and Soul: The Defense of Ideals* by Mark Edmundson

**Honors:**

*Complaint of Peace* by Desiderius Erasmus, *The Prince* by Niccolo Machiavelli, *Of Fear and Of Cruelty* by Michel Montaigne, *Leviathan* by Thomas Hobbes, *The Second Treatise and The Letter Concerning Toleration* by John Locke, *Candide* by Voltaire, *The Social Contract and The First and Second Discourses* by John-Jacques Rousseau, selections from *Theory of Moral Sentiments* by Adam Smith, "An Answer to the Question, What is the Enlightenment?" and "Idea for a Universal History with a Cosmopolitan Purpose" by Immanuel Kant, and *The Liberty of the Moderns Contrasted with The Liberty of the Ancients* by Benjamin Constant.

**Other Classes/ Textbooks:** *Data Abstraction & Problem Solving with Java* by Janet J. Prichard and Frank M. Carrano, *A Book of Abstract Algebra* by Charles C. Pinter, *Elementary Number Theory* by Springer, *Elementary Number Theory* by David M. Burton (on my own), *Tonal Harmony* by Stefan Kostka

**Meaningful Films Outside Classes:** *Kung Fu Panda 3*

**Meaningful Shows:** *The Late Show with Stephen Colbert*, *The Tonight Show Starring Jimmy Fallon*, *The Daily Show with Trevor Noah*

**Meaningful Sports Events:** ICC Cricket World Cup T20 2016 – India (Looking forward to UEFA Euro 2016 - France, and Rio Olympics 2016)

**Orchestra Pieces:**

*Stabat Mater* Herbert Howells', *Norwegian Dances* by Edward Grieg, *2 Swedish Folk-Melodies* by Johan Svendsen, *Russian Sailor's Dance* by Reinhold Gliere, *Havanaise* by Camille Saint-Saens, *Rusulka: "Song to the Moon"* by Antonin Dvorak, *"Die Fledermaus-Mein Herr Marquis"* by Johann Strauss, Mozart's *Rondo from Horn Concerto #4*, *Suite for Strings* by Leos Janacek, *Rivers Osage Ballet Suite* by Dr. Rivers, *Hansel and Gretel* by Engelbert Humperdinck, *Rienzi* by Richard Wagner

**What has been the most meaningful work for you this semester?**

My essays for *Honors: Enlightenments and Its Critics*, final music composition for music theory, violin solo, and the final problem set in number theory have been my most meaningful work this semester.

All my essays were connected in the honors class with the basic theme of "Individuality vs the Collective Good," where the ideas of various thinkers were compared and contrasted to ponder upon a perfect solution to attain the best of both worlds. Instead of treating this as a three separate essays, maintaining a similar theme with unique elements in each essay helped me think about a particular idea throughout the semester.

The final composition in music theory was the culmination of the basic strategies learned in Music Theory 1 and 2. I have taken AP Music Theory in high school and did a similar project back then. Learning from previous mistakes and trying to produce original music with proper musical structure (which ended up sounding competent) was fulfilling.

I had not seriously played violin since the end of senior year in high school and had stopped taking lessons. This semester I started taking lessons again to get back to violin. It was slow progress, but I made huge strides in my technique. This was evident in the way my solo, J.S. Bach's *Concerto in A minor* progressed over the semester.

Our final number theory problem set consisted of producing a large number that can be represented as a sum of two squares. The final results of everyone's homework was written in large print and put in the mathematics announcement board. Therefore, these three different areas produced equally meaningful work.

(Attach Articles/Artifacts)