

Franklin Pezzuti Dyer
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High School Courses

2016-17	World History & Geography Honors	A
2016-17	English 1 Honors	A
2016-17	Spanish 1 Advanced	A
2016-17	Spanish 2 Advanced	A
2016-17	Geometry Honors	A
2016-17	Algebra 2 Advanced	A
2016-17	Biology Honors	A
2017-18	AP US History	A
2017-18	English 2 Honors	A
2017-18	AP BC Calculus	A
2017-18	AP Physics 1	A
2017-18	AP Physics 2	A
2018-19	AP Government*	In Progress
2018-19	AP Microeconomics/Macroeconomics*	In Progress
2018-19	Intro to Music**	A
2018-19	AP English Language & Composition*	In Progress
2018-19	AP Seminar*	In Progress
2018-19	Calculus-Based Probability & Statistics**	A
2018-19	AP Chemistry	In Progress

* - currently enrolled

** - taken at ETSU, a nearby university

Standardized Test Scores

April 2018	ACT	36/36
May 2018	AP US History Exam	5/5
May 2018	AP BC Calculus Exam	5/5
May 2018	AP Physics 1 Exam	5/5
May 2018	AP Physics 2 Exam	5/5
May 2018	AP Physics C Mechanics Exam	5/5
May 2018	AP Physics C Electromagnetism Exam	5/5
Oct 2018	SAT	1580/1600
	English	790/800
	Math	790/800
Oct 2018	PSAT	1500/1520
	English	740/760
	Math	760/760
May 2019	AP Government Exam	Spring 2019
May 2019	AP Microeconomics Exam	Spring 2019
May 2019	AP Macroeconomics Exam	Spring 2019
May 2019	AP English Lang & Comp Exam	Spring 2019
May 2019	AP Seminar Exam	Spring 2019
May 2019	AP Chemistry Exam	Spring 2019
May 2019	AP Spanish Language Exam	Spring 2019
May 2019	AP Statistics Exam	Spring 2019

Contests & Awards

- 18th place in Apollo Division of Rocket City Math League test, 2016-2017
- 10th place in Tennessee on Algebra 2 TMTA math contest, 2016-2017
- Qualified for AIME by placing in top 5% of AMC scores, 2017-2018

- Honorable mention on USAMTS, 2017-2018
 - 1st place (perfect score) in Tennessee on Calculus and Advanced Topics TMTA math contest, 2017-2018
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Community Service

- Helped organize local middle school math competition hosted by Science Hill High School and Mu Alpha Theta by writing and editing test questions and grading tests, 2017-2018 and 2018-2019
 - Community Service Summer Camp, including activities such as gardening, working at Goodwill, and helping at a retirement home, summer of 2017
 - Regular tutoring at Liberty Bell Middle School with “High Five” afterschool program, Tuesdays and Thursdays since November 2018
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Other

- Recreational blog at <http://franklin.dyer.me>
 - Active participation on [Mathematics Stack Exchange](#) (user: Frpzzd)
 - Attended PROMYS 2018, a 7-week recreational mathematics program for high-schoolers at Boston University covering number theory, algebra, geometry, and a few advanced topics; this gave me the opportunity to study math above the high-school level in a formal setting, and observe the mathematical community up close
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Books I've Enjoyed Reading Recently

- *Enlightenment Now* by Steven Pinker
 - In *Enlightenment Now*, Pinker uses a logos-driven argument supported irrefutably by hard data to demonstrate that societal pessimism is ill-founded and that quality of life is steadily improving by various measures, from falling hunger rates to a decrease in violence. This book shook me out of the pessimism that keeping up with politics had caused me to sink into, and convinced me to move my political views closer to the middle.
- *Sense of Style* by Steven Pinker
 - Striving to replace Strunk and White's *Elements of Style* as the modern writer's handbook, this guide separates useful writing rules and practices from arbitrary restrictions that one does not necessarily need to follow to be an exceptional writer; it also warns the reader about some common biases and bad habits that appear in both fiction and research writing. Though it is difficult to keep all of Pinker's advice in mind at all times, I think it has helped me become a better writer.
- *The Glass Bead Game* by Hermann Hesse
 - This narrative follows the sheltered life of Joseph Knecht as a lifelong student and teacher in an intellectual haven, glorifying the arts and sciences and at the same time warning of the dangers of an overly specialized life too far removed from society. *The Glass Bead Game* has caused me to reconsider striving for a fully academic career in advanced mathematics.
- *The Bhagavad Gita* translated by Eknath Easwaran
 - One of the most cherished and widely-read Hindu spiritual texts, *The Bhagavad Gita* explores in the form of a dialogue some of the most important philosophical topics, such as the nature of reality, man's relationship with nature, and how an individual should confront death. I found it interesting how certain scientific concepts are mirrored in this ancient text, like the ideas of entropy and the cyclic nature of life.
- *The Power of Habit* by Charles Duhigg
 - Through a series of both enlightening and entertaining descriptions of scientific studies of animal and human psychology, *The Power of Habit* demonstrates how habit-forming mechanisms in the human brain affect one's everyday actions, and how this mechanism, when understood and controlled, can allow one to take greater control of one's own life.
- *Moby Dick* by Herman Melville
 - This famous epic tale of a whaler's journey over the seas at the mercy of a revenge-obsessed captain addresses themes such as vengeance and man's conflict with nature; I would like to

read this one again, because I may have missed some of the book's nuances during the first read.

Books I Plan to Read Soon

- *The Blank Slate* by Steven Pinker
- *The Selfish Gene* by Richard Dawkins
- *The Dhammapada* translated by Eknath Easwaran
- *The Invisible Man* by Ralph Ellison
- *Crime and Punishment* by Fyodor Dostoyevsky
- *Complexity: a Guided Tour* by Melanie Mitchell