Physics 150 Einstein to Star Trek Sch				Summer 2017		
Week	**Class**	**Day**	**Date**	**Paper**	**Topic**	**Reading Book Section**
1	1	Mon	19-Jun		Introduction: Speed, Distance, Acceleration and Time A. Einstein : How I See the World	
	2	Tue	20-Jun	**Paper 1: Einstein Bio**	Waves, Speed of Light, and Coordinate Systems	Einstein, Ch. 1-4
	3	Wed	21-Jun		Principles of Relativity and Simultaneity Lorentz Transformations and Addition of Velocities	Einstein, Ch. 5-13
	4	Thu	22-Jun	**Paper 2: Rewrite Einstein paragraph**	Results of Relativity and Minkowski 4D Space Special and General Relativity	Einstein, Ch. 14-23
	5	Fri	23-Jun	**Paper 3: Relativity problem**	Euclidean space and Relativity The Structure of Space	Einstein Ch. 24-32
2	6	Mon	26-Jun	**Paper 4: Differences between Special and Gen. Relativity**	From Einstein to the 21st Centry Physics of the 21st Centry, Future of Computer	Kaku, Intro, Ch. 1
	7	Tue	27-Jun		Futre of AI and Medicine Nanotechnology	Kaku, Ch 2-4
	8	Wed	28-Jun	**Paper 5: Kaku topic from Chapters 1-4**	Energy Space Travel and Wealth	Kaku, Ch. 5-7
	9	Thu	29-Jun		Future of Humanity	Kaku Ch. 8-9
	10	Fri	30-Jun	**Paper 6: Kaku topic from Chapters 5-8**	Star Trek and Science Fiction Newton, Einstein	Krauss, Ch. 1-4
3	11	Mon	3-Jul		Hawking and wormholes Atoms, transporters, and information	Krauss, Ch. 5-7
		Tue	4-Jul	**Holiday**		
	12	Wed	5-Jul		Holograms and VR Exoplanets: Search for new Worlds	Krauss, Ch 8-10
	13	Thu	6-Jul	**Paper 7: Krauss topic from Chapters 1-10**	Imposibilities I	Kaku2, Preface, 1-2, 5, 8, 11
	14	Fri	7-Jul	**Paper 8: Physics in SF Movie comparison DRAFT**	Impossibilities II	Kaku2 13-15, epilogue
	15	Sat	8-Jul	**Paper 8: Physics in SF Movie comparison** **Final Paper**		Essay of presented material.