Day 5	do thisskipped day due to athletics)	CLASS: 1.) talk about Doppler Shift-look at video at https://www.youtube.com/w atch?v=h4OnBYrbCĵY 2.) relevance to astronomy (start at about 1 minute)? https://www.youtube.com/w atch?v=3mJTRXCMU6o 3.) talk about how the sun produces spectral lines (need to talk about black body radiation first, then talk about how light progresses from core outward) 4.) spend a little time talking about telescopes (use video at https://www.youtube.com/w atch?v=LzII1f3pp-8);	Day 2	CLASS: 1.) talk about optics and optical phenomena
	HMWK: 1.) journal	HMWK: 1.) journal; 2.) determine how far you are, in miles, from where you were in the galaxy when you were born		HAVE A GREAT SPRING BREAK
3/18 Spring Break	3/19 Spring Break	3/20 Spring Break	3/21 Spring Break	3/22 Spring Break
3/25 Spring Break	3/26 Spring Break	3/27 Spring Break	3/28 Spring Break	Spring Break
CLASS: 1.) do optics lab	4/2 Day 5	CLASS: 1.) preamble to section	CLASS: 1.) look at AP schedule to see	4/5 Day 2
		(celestial sphere; plane, constellations; the Zodiac; celestial plane; seasons, years, etc.)find good video for this 2.) for fun, show "night sky with various degrees of city light," then "celestial sphere," 3.) talk about types of yearnice summary of earth information (sidereal day, size comparison to sun, etc.) https://ciechanow.ski/earthand-sun/ 4.) talk about "leap year" (find good video for this);	who will be around when 2.) take a side-trip with Einstein's Quantum Riddle at https://www.pbs.org/video/einsteins- quantum-riddle-ykvwhm/	
HMWK: 1.) journal;		HMWK: 1.) journal;	HMWK: 1.) journal;	
2.) for fun, read the article at http://www.jpl.nasa.gov/ne ws/news.php?feature=6223 &utm_source=iContact&utm_medium=email&utm_cam paign=NASAJPL&utm_conte nt=daily20160330-2	4/9	4/10	4/11	4/12

CLASS: 1.) spend day looking at "How the Universe Works" episode talking about the age of the universe; https://www.sciencechannel .com/video/how-the- universe-works- science/hunt-for-the- universes-origin	CLASS: 1.) oral exam 2.) talk about stellar evolution of stars whose mass is less than 8 solar masses; 3.) look at stellar evolution ppt at http://faculty.polytechnic.or g/physics/1%20Astronomy, %20Cosmology,%20Relativit y%202007to2008/7Section _7_(stellar%20evolution%20 and%20planets)/1Summar y_Sect_7 stellar_evolution_and_planet s/d.%20small_mass_star_ev olution.pdf 4.) look at HISTORY CHANNEL video on stellar evolution (about a half hour);	Day 5	CLASS: 1.) talk about stellar evolution of stars whose mass is greater than 8 solar masses; 2.) talk about supernovas; https://www.facebook.com/watch/?v=198111215316701 3.) look at supernova video at 4.) look again at nuclide chart and reiterate where elements larger than Fe come from;	ults?search_query=sound+fro
HMWK: 1.) journal	HMWK: 1.) journal		HMWK: 1.) journal	HMWK: 1.) journal
4/15	4/16	4/17	4/18	4/19
Day 2	CLASS: 1.) talk about Kepler's Laws 2.) basic video on laws: https://www.youtube.com/w atch?v=AKbfR5KHUm4 3.) talks about Brahe https://www.youtube.com/w atch?time_continue=83&v=w jOOrr2uPuU&feature=emb_lo go HMWK: 1.) journal; 2.) think about what you are going to say during the Oral	2.) talk about distance to celestial objects 3.) astronomic unit; 4.) parsec;	Day 5	CLASS: 1.) have students see what they can find on Einstein HMWK: 1.) journal
	going to say during the Oral Exam on Friday			
4/22 CLASS:	4/23 Day 2	4/24 CLASS:	4/25 CLASS:	4/26 Day 5
1.) begin to talk about Einstein; 2.) whimsical video on Einstein at https://www.youtube.com/watch? v=N51uYJy2nZM 3.) present what motivated Einstein to create the Special Theory of Relativity; 4.) point out the difference between the Special and General Theory of Relativity;	Cuy 2		1.) oral exam	

HMWK:		HMWK:	HMWK:	
1.) journal		1.) journal;	1.)	
4/29	4/30	5/1	5/2	5/
CLASS:	CLASS:	Day 2	CLASS:	CLASS:
0.) see when people are	1.) talk about relativistic	, ·	1.) talk about magnetism;	1.) we meet
taking AP tests	factor and relativistic		2.) talk about paradoxes (start	
1.) talk more about time	velocitylook again at		with pole in barn paradox)	(pole in barn);
			with pole in barn paradox)	
dilation (powerpoints);	derivation of length			2.) talk about Twins Paradox
	contraction (ppt messed up			conceptually;
dilation and length	last time);			3.) show space/time diagram
contraction;	2.) give banana-eating			of Twins Paradox;
3.) talk about space-time	chimp problem;			4.) great cartoon/video abou
diagrams and world lines;	3.) look at a space/time			Twins Paradox at
4.) talk about problem of	diagramtalk more about			https://www.youtube.com/w
	units for its axes and notice			tch?v=h8GqaAp3cGs
diagrams (that time is like				ten: V mooda/tpseos
a distance, like an x/y				
	4.) explain why the primed			
graph);	axes looks the way they do			
5.) show Woody Allen	on a space-time diagram;			
YouTube	5.) talk about how you take			
https://youtu.be/6uL1Vh4Y0Jc	data off a space-time			
	diagram;			
	6.) do space-time			
	diagram/world line exercise;			
	diagram, world line exercise,			
HMWK:	HMWK:		HMWK:	HMWK:
1.) journal	1.) journal		1.) journal;	1.) journal
1.) Journal	1.) journal		1.) Journar,	1.) Journal
5/6	5/7	5/8	5/9	5/1
U.S. Govt AP; Art History	MicroEcon AP; Statistics	English Lit; Comp Sci	Chinese Lang; Psych	U.S. History; Spanish Lit
Day 5 (first AP test)	CLASS:	CLASS:	Day 2	CLASS:
.,	1.)	1.)	1,	1.)
5/13		-, -		
5/13 Calculus	5/14 English Lang; Physics C	5/15 French Lang; Comp Sci	5/16 Spanish Lang; Biology	5/1 Latin
Calculus		-, -		
Calculus CLASS:	English Lang; Physics C	French Lang; Comp Sci Prin Music Theory	Spanish Lang; Biology CLASS:	Latin
Calculus CLASS:	English Lang; Physics C	French Lang; Comp Sci Prin Music Theory CLASS:	Spanish Lang; Biology	Latin
Calculus CLASS:	English Lang; Physics C	French Lang; Comp Sci Prin Music Theory	Spanish Lang; Biology CLASS:	Latin
Calculus CLASS:	English Lang; Physics C	French Lang; Comp Sci Prin Music Theory CLASS:	Spanish Lang; Biology CLASS:	Latin
Calculus CLASS:	English Lang; Physics C	French Lang; Comp Sci Prin Music Theory CLASS:	Spanish Lang; Biology CLASS:	Latin
Calculus CLASS:	English Lang; Physics C	French Lang; Comp Sci Prin Music Theory CLASS:	Spanish Lang; Biology CLASS:	Latin
Calculus CLASS:	English Lang; Physics C	French Lang; Comp Sci Prin Music Theory CLASS:	Spanish Lang; Biology CLASS:	Latin
Calculus CLASS:	English Lang; Physics C	French Lang; Comp Sci Prin Music Theory CLASS:	Spanish Lang; Biology CLASS: 1.)	Latin
Calculus CLASS: 1.) oral exam	English Lang; Physics C Day 5	French Lang; Comp Sci Prin Music Theory CLASS: 1.)	Spanish Lang; Biology CLASS: 1.)	Latin Day 2
Calculus CLASS: 1.) oral exam 5/20 CLASS:	English Lang; Physics C Day 5 5/21 CLASS:	French Lang; Comp Sci Prin Music Theory CLASS: 1.)	Spanish Lang; Biology CLASS: 1.) 5/23 CLASS:	Latin Day 2 5/2 CLASS:
Calculus CLASS: 1.) oral exam 5/20 CLASS:	English Lang; Physics C Day 5	French Lang; Comp Sci Prin Music Theory CLASS: 1.)	Spanish Lang; Biology CLASS: 1.)	Latin Day 2
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