

Advanced Physics Semester II Waves and Fields First Quarter

Jan 15 MLK,Jr	Jan 16/17 A/B Course Sylabus, Calendar , SHM Demos Ch. 13 Problems 1-3 from web site. Derive Spring k lab, Read pp 327-349	Jan 18/19 C/D Present Probs 4-6 on board. Turn in Spring labs Pendulum Lab (Students devise method for finding T)
Jan 22/23 A/B Present Probs 7-10 on board. Work on LoggerPro Energy lab Due Next period	Jan 24 I	Jan 25/26 C/D Finish and turn in lab. Problems 11-15
Jan 29/30A/B Quiz SHM	Jan 31 I	Feb 1/2 C/D Do problems 16-20 on board Spring,String and Wave Demos Start Ripple Tanks
Feb 5/6 A/B 11-20 Finish any probs left 21-25. Ripple Tanks Due Next Period	Feb 7 I	Feb 8/9 C/D Review Wave properties Lab practical.
Feb 12/13 A/B Interims Exam SHM & Wave properties Video Read Ch. 14 pp. 354-380	Feb 14 C/B 1-10 Correct Test Demos, Sound level Measurement & Voice Forensics First 5 Problems Ch.14 problem set. Build an Instrument Project Due March 12	Feb 16 Extended
Feb 19 Pres. Day	Feb 20 B Correct Test Demos, Sound level Measurement & Voice Forensics First 5 Problems Ch.14 problem set. Build an Instrument Project Due Mar 13	Feb 21 I Feb 22/23 C/D Demo Resonance, Video Bridge Problems 6-10 Lab-Resonance of tubes, Due Next Period. Video Doppler effect.
Feb 26/27A/B Demos violin bow, Sonometer Lab?	28 I	Mar 1/2 C/D Finish Labs Ch. 14 Quiz with lab practical
Mar 5/6 A/B Review Ch 14 Work on instument	Mar 7 I	Mar 8/9 Exam Sound Ch 14 Read Ch. 22 pp.577-592
Mar 12/13 A/B (End of Quarter) Correct Exams Play instruments	Mar 14 I	Mar 15/16 C/D Go over Ch 22 Problems 1-5 Reflection of Your Mind
March 19/20 A/B Optic Benches, Reflection	March 21 I	March 22/23 C/D Optic Benches Refraction