

Rio Americano High School AP Physics 2

AP2.09 Atomic and Nuclear Physics

[3/6/20]

1. r 3/5 - Cosmos: A Spacetime Odyssey

__Episode 8. Sisters of the Sun

2. F 3/6 – Mechanical Universe: Quantum

__The Quantum Mechanical Universe

3. M 3/9 – The Photoelectric Effect

__Springboard: Photoelectric Effect

__Job: Photoelectric Effect

__FASTudy: Bohr Atom+Photoelectric Effect

__Textbook < > APFR:

4. B2 3/10 – The Photoelectric Effect

__PhETLab: Begin Shine a Light

__Textbook < > APFR:

5. B2 3/11 – The Photoelectric Effect

__PhETLab: Finish Shine a Light + LabQuiz

__Textbook < > APFR:

6. r 3/12 – The Bohr Atom

__Read Guide: The Bohr Atom

__Absorption and Emission

__AP Problems

__Textbook < > APFR:

7. F 3/13 – The Bohr Atom

__Mech Univ HS: Models of the Atom

__AP Problems

__Textbook < > APFR:

8. M 3/16 – Wave Particle Duality

__Mechanical Universe: Wave-Particle Duality

__The deBroglie Wavelength [AP Problems]

__Textbook < > APFR:

9. T 3/17 – Into the Nucleus

__Hewitt CPA: Radioactivity

__FASTudy: Nuclear Physics

__Textbook < > APFR:

10. W 3/18 – Half Life

__Lab: Get a Half-life

__Job: Half-Life

__Job: Particle Paths

__Textbook < > APFR:

11. r 3/19 – Radiometric Dating

__PhET Sim: Radioactive Speed Dating

__Textbook < > APFR:

12. F 3/20 – Fission and Fusion

__Hewitt CPA: Fission and Fusion

__Textbook < > APFR:

13. M 3/23 – Fission and Fusion

__Fission and Fusion Problems

__Textbook < > APFR:

14. T 3/24 – Wrap Up / TCM

Test Correction Mastermind 2.08 Adv. Optics

Textbook < > APFR:

15. W 3/25 – Test AP2.09: Atomic & Nuclear

Our Very Last Proper Unit Test [sad cry emoji]

Essentials of College Physics Textbook: Chapters 28 Atomic Physics and 29 Nuclear Physics

Hewitt Drew It Screencasts: ATOMIC AND NUCLEAR PHYSICS: Atomic Nucleus and Radioactivity, and Fission and Fusion

Make Up Unit Test AP2.08 **as soon as possible**; no later than Friday, 3/20. AP make up tests are administered in two parts during ExploratoRio Season: one for multiple choice; one for free response.