Physical Science 2024

Week 14

November 18 – November 22

Mon 11/18

* Science CER short vid (4:00): <https://www.youtube.com/watch?v=EL_RpKGia1U>
* Doritos commercial: <https://www.youtube.com/watch?v=r2EcgNfK3PA>
* Question: what happened to the cat?
* On the board: PS CER evidence=data or documented support/ should be bullet pointed; claim=belief, thought, idea, hypothesis; a claim requires evidence; your reason (for your claim) is based on the evidence for your claim
* Teacher & Class short discussion of the question, claim, evidence & reasoning
* Practice: History of Wave Particle Duality (CER)
* SAVE ALL WORK THIS WEEK FOR QUIZ NEXT MONDAY

Tu 11/9

* Open Rainbow Reading with class definitions🡪 consider whether a rainbow is a particle or a wave
* Prac: Wave or Particle Vocabulary with online PPT
* Computer option: students logon to website, open PPT and use it to fill out definitions 🡪 they must draw the pics 🡪 if time, class discussion of constructive/destructive interference, photoelectric effect & description of wave particle model

Wed/Thurs

* Ted-Ed Is Light a Particle or a Wave (4:24) with video questions

<https://www.ted.com/talks/colm_kelleher_is_light_a_particle_or_a_wave?language=en>

* Ted-Ed Particles and Waves: The Central Mystery of Quantum Mechanics (4:52) with video questions
* <https://ed.ted.com/lessons/particles-and-waves-the-central-mystery-of-quantum-mechanics-chad-orzel>

Fri 11/22

* Prac: Wave-Particle Duality Reading🡪 the pictures in the printed article are clearer on the Promethean
* Class read aloud first, then worksheet passed out
* Time permitting, class discussion about answers

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