WESTSIDE HIGH SCHOOL

Level Up: RISE to Your Potential

24-25 Lesson Plan Template Teacher: Asma Akhter Subject: On level physics A

Week of: DATE 05/12/2025	**Monday 05/12**	**Tuesday 05/13**	**Wed./Thurs 05/14- 05/15**	**Friday 05/16**
P.9A: Describe the photoelectric effect and emission spectra produced by various atoms and how both are explained by the photon model for light.	P.9A: Describe the photoelectric effect and emission spectra produced by various atoms and how both are explained by the photon model for light.	P.9A: Describe the photoelectric effect and emission spectra produced by various atoms and how both are explained by the photon model for light.	**P.9A: Describe the photoelectric effect and emission spectra produced by various atoms and how both are explained by the photon model for light.**	P.9A: Describe the photoelectric effect and emission spectra produced by various atoms and how both are explained by the photon model for light.
Learning Objective	SWBAT investigate and describe the	SWBAT investigate and describe the photoelectric	**SWBAT elaborate and discuss how the photoelectric**	SWBAT elaborate and discuss how the photoelectric effect and emission spectra produced by various atoms

	photoelectric effect and its explanation by the photon model of light.	effect and its explanation by the photon model of light.	**effect and emission spectra produced by various atoms are explained by the photon model of light.**	are explained by the photon model of light.
Higher Order Thinking Questions	According to the photon model of light, what is light? Explain it with everyday life examples.	What phenomenon is best explained by the wave-particle duality theory? Explain why?	What does the photoelectric effect demonstrate about light? Explain in your own words with 3 to 4 sentences.	How does the photon model explain emission spectra produced by atoms?
Agenda	• Do Now • Student Activity (HISD) • DOL	• Do Now • Student's activity • DOL	• Do Now • Student activity • DOL	• Do Now • Student activity • DOL

Demonstration of Learning	SWBAT investigate and describe the photoelectric effect and its explanation by the photon model of light.	. SWBAT investigate and describe the photoelectric effect and its explanation by the photon model of light.	. Given 5 questions, students will elaborate and discuss how the photoelectric effect and emission spectra produced by various atoms are explained by the photon model of light by answering at least 4 of 5 questions correctly.	lGiven 5 questions, students will elaborate and discuss how the photoelectric effect and emission spectra produced by various atoms are explained by the photon model of light by answering at least 4 of 5 questions correctly.
Intervention & Extension	Extra time At least finish 50% and one extra day	Extra time At least finish 50% and one extra day	Extra time At least finish 50% and one extra day	Extra time At least finish 50% and one extra day
Resources	• District resources and teacher's google slides teacher's notes and formulas	• District resources and teacher's google slides teacher's notes and formulas	• teacher's google slides • teacher's notes and formulas • teacher's created lab hand out	• District resources and teacher's google slides teacher's notes and formulas