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 02/17/2025	Monday 02/17	Tuesday 02/18	Wed./Thurs 02/19- 02/20	Friday 02/21
TEKS	N	P.6D Analyze, design, and construct series and parallel circuits using schematics and materials such as switches, wires, resistors, lightbulbs, batteries, voltmeters, and ammeters. PHY.6.E Calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and	**PHY.6.E Calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel circuits using ohm's law.** **P.6D Analyze, design, and construct series and parallel circuits using schematics and materials such as switches, wires, resistors, lightbulbs, batteries, voltmeters, and ammeters.**	PHY.6.E Calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel circuits using ohm's law. P.6D Analyze, design, and construct series and parallel circuits using schematics and materials such as

		parallel circuits using Ohm's law. Electricity in Electric Circuits		switches, wires, resistors, lightbulbs, batteries, voltmeters, and ammeters.
Learning Objective	O	SWBAT design and construct a simple electric circuit and calculate the power used by elements in series or parallel configurations using appropriate formulas derived from Ohm's law.	**SWBAT design and construct a simple electric circuit and calculate the power used by elements in series or parallel configurations using appropriate formulas derived from Ohm's law.**	SWBAT design and construct a simple electric circuit and calculate the power used by elements in series or parallel configurations using appropriate formulas derived from Ohm's law.
Higher Order Thinking Questions	SC	2. In a series circuit with a 120 V power supply, if the current is 2 A, what is the total power? .	In a series circuit, if three resistors with resistances of 4 Ω, 6 Ω, and 10 Ω are connected to a 24 V power supply, what is the total power dissipated?	The charges q_1=10 cm between the ce between the cente magnitude of the n

Agenda	• H	• Do Now about power • Student Activity from Hisd • DOL	• Do now • Review with a galley walk • Quizizz.com	Test 2 (6 weeks test from Hisd)
Demonstration of Learning	OO	Given 5 questions, students will design and construct a simple electric circuit and calculate the power used by elements in series or parallel configurations using appropriate formulas derived from Ohm's law by answering at least 4 of 5 questions correctly.	Given one open ended questions, higher order thinking question, and students will be able to answer on the response card.	Test will be given in On track
Intervention & Extension	L	Extra time At least finish 50% and one extra day	Extra time At least finish 50% and one extra day	o

Resources		• District resources and teacher's google slides • Teacher's teaching with notes included formula chart	• District resources and teacher's google slides • Review • Quizizz	I