

Pennington Traditional – 8th Grade Physical Science
Teacher: *Mr. Johnson* Updated: *March 20, 2020*

<u>Month</u>	<u>Objectives Covered</u>	<u>Prior Assignments, Assessments, Resources</u>	<u>Additional Available Resources</u>
September	PS.2; PS.5a-b Nature of Matter	Particle theory of matter of solids, liquids, and gases. Balancing equations.	SOL Pass, PS.2 Properties of Matter https://www.solpass.org/science8.html Clever → Brain Pop: Nature of Science https://www.brainpop.com/science/matterandchemistry/statesofmatter/
October	PS.2; PS.5a-b Nature of Matter con't	Particle theory of matter of solids, liquids, and gases. Balancing equations.	SOL Pass, PS.2 Properties of Matter https://www.solpass.org/science8.html YouTube: Introduction to Chemistry- Balancing Chemical Equations https://www.youtube.com/watch?v=bka20Q9TN6M Practice Balancing Equations with Key https://www.northallegheny.org/cms/lib/PA01001119/Centricity/Domain/1083/balancingpractice.pdf
November	PS.3a-b; PS.4a-c Structure and Organization of Matter	Atomic theory and models. Periodic table	SOL Pass PS.3-5 Atoms, Elements, Matter https://www.solpass.org/science8.html Clever → Discovery Education → Nature of Matter https://pwcs.discoveryeducation.com/learn/videos/c3f8a787-640c-4615-975e-57f1736f268e/
December	PS.3a-b; PS.4a-c Structure and Organization of Matter con't	Atomic theory and models. Periodic table	SOL Pass PS.3-5 Atoms, Elements, Matter https://www.solpass.org/science8.html Clever → Brain Pop: Sortify: Elements of the Periodic Table https://www.brainpop.com/games/sortifyelementsoftheperiodictable/
January	PS.5c; PS.6a-b Forms of Energy and Transformations	KE/PE lab, identifying forms of energy and transformations in household scenarios.	SOL Pass PS.6-7 Energy Forms, Thermal https://www.solpass.org/science8.html Forms of Energy Games https://www.e-education.psu.edu/egge102/node/1905
February	PS.7 Thermal Energy; PS.8 Sound; PS.9 Light	Conduction, Convection, radiation. Mechanical waves and properties of sound waves and sound. EMW and the EMS properties and uses.	SOL Pass PS.8-9 Sound and Light https://www.solpass.org/science8.html Generation Genius: Energy Transfer https://www.generationgenius.com/energy-transfer-lesson-for-kids/
March	PS.10 Work, Force, and Motion	Speed, velocity, acceleration, Newton's Laws, work and power	SOL Pass PS.10-11 Force, Electromagnetism https://www.solpass.org/science8.html Clever → Brain Pop: Work, Force and Power https://www.brainpop.com/search/?keyword=Work+and+Force

Reminders:

- No new instruction is being given.
- All additional available resources are for optional practice only and are not being used for grades.
- All due dates are April 14, or whenever students return to school.
- I am available during regular school hours (9:00 a.m. – 3:40 p.m. Monday-Friday) to provide assistance and/or additional resources and I can be reached at **CHAVEZLX@PWCS.EDU**