

PHYSICAL SCIENCE  
EXPLORING CREATION WITH PHYSICAL SCIENCE  
FALL 2019 SYLLABUS

Sep 6            **Module 1    The Basics**

KEY POINTS: Atoms & Molecules, Measurements and Concentrations

*Assignment for Sep. 13: Module 1 questions #2,3,7,8,11 and read Mod. 2*

Sep.13           **Module 2    Air**

KEY POINTS: Composition of air, pollution, humidity, greenhouse effect

*Assignment for Sep. 20: Mod. 2 questions #2,4,6,8,13,17,18 and read Mod. 3*

Sep 20           **Module 3    Atmosphere**

KEY POINTS: Air pressure, layers of atmosphere, ozone

*Assignment for Oct. 4: Mod. 3 questions #5,7,9,10,11,13 and read Mod. 4*

Oct 4            **Module 4    Water**

KEY POINTS: Composition of water, chemical bonds, hydrogen bonding, electrolysis

*Assignment for Oct. 11: review important points for first four modules.*

Oct. 11           **In class review activity for Modules 1,2,3,4**

Oct. 18           **Module 5    Hydrosphere**

KEY POINTS: Evaporation, Condensation, Precipitation, hydrologic cycle, sodium chloride

*Assignment for Nov. 1: Mod. 5 questions #2,4,5,8,12,13,21 and read Mod. 6*

Nov 1            **Module 6    Earth**

KEY POINTS: Earth's layers, kinds of rocks, volcanoes, earthquakes, magnetic force

*Assignment for Nov. 8: Mod. 6 questions #2,4,6,8,11,12,13,16,21 and read Mod. 9*

Nov. 8            **Module 9    Physics**

KEY POINTS; Velocity, speed, acceleration, speed formula, acceleration formula, distance formula

*Assignment for Nov. 15: Mod. 9 questions # 1,2,5,8,10,15 and read Mod.10*

Nov.15           **Module 10 NEWTON'S LAWS**

KEY POINTS: Newton's Laws of Motion, inertia, friction, force, Newtons

*Assignment for Dec. 9: Mod. 10 questions #1,2,4,6,10,12,16 and  
review key points in modules 5,6,9,10*

Dec. 9           **In class review activity for Modules 5,6,9,10**

*Assignment for first class spring semester collect weather data and read modules 7 and 8*

Class supplies:

Text: Exploring Creation with Physical Science by Wile