7th grade – PBCSD USA #4 Review topics

* Understand the role of convection currents beneath the Earth’s surface.
* Be able to describe the defining characteristics of theories vs. laws (ie. The theory of plate tectonics)
* Know the three types of plate boundaries and what forms at each one as well as the meaning of subduction.
* How do fault lines form?
* What creates the Earth’s magnetic field? In which layer of the Earth is it found?
* How do the Earth’s inner core and outer core differ in terms of location and phase (liquid or solid)?
* What causes magma to erupt from a volcano?
* Identify three methods that geologists use to study the Earth’s layers.
* The layers of the Earth from exterior to interior include the crust, upper mantle, mantle, outer core, and inner core. Which two layers compose the Earth’s tectonic plates (lithosphere)?
* Where, why, and how does seafloor spreading occur?
* What do earthquakes and volcanoes have in common?
* How are theories developed?