Course Outline—2D Language Development Through Science

Trimester 1: LIFE SCIENCE	
Topics	**Texts/Resources**
Interdependence Among Living Systems Predator, prey, producer consumer decomposer, biotic and abiotic factors, (living and nonliving things that affect an ecosystem), changes to an ecosystem and affects (floods, fire, humans build houses), limiting factors for a population and definition of a population.	Focus On Science (FOS)—C, Chapter 4 FOS—D, Chapter 4 Gateway to Science (GWS), pp. 82-89
Flow of Energy and Recycling of Matter	FOS—C, Chapter 4 FOS—D, Chapter 4 GWS, pp. 82-89
Trimester 2: PHYSICAL SCIENCE	
Matter Key idea is development of understanding of atoms and how they move and interact such as when heated, or dissolved, or in a chemical reaction. Law of Conservation of Mass, matter (atoms) cannot be made or destroyed they only change form (ice melts, water evaporates, paper burns)	FOS—A, Chapter 6 GWS, pp. 162-177 **EiE--"Water, Water Everywhere" Kit (Designing water filters)** Review of **FOSS Water Kit** investigation 2 &3 **FOSS Mixtures and Solutions Kit FOSS "Matter and Energy" Kit** (Available at DMC for checkout)
Trimester 3: EARTH SCIENCE	
Earth Structure and Processes Earth's Layers and Plate Tectonics	GWS, pp. 130-133 FOS—B, Chapter 4 GWS, pp. 138-141
Landforms	FOS—D, Chapter 5 GWS, pp. 134-145
Rocks and Rock Formations	FOS—C, Chapter 5 GWS, pp. 126-129