IB Biology		Per 1				4/27-5/1
	Unit/Theme	Objectives	Activities	Homework	Closure/Review	Assessment
MON	Ecology Test	• Demonstrate Understandings, Skills, and Applications of concepts in Ecology and Option C	• Turn in O.C.2 Project • Test: Ecology	• Read 6.1 • Do 6.1 Skills (due Thurs)	• Remaining Labs	• Ecology Test
TUES	No Class	No Class	No Class	No Class	No Class	No Class
WED	6.1 Digestion and Absorption	• The contraction of circular and longitudinal muscle of the small intestine mixes the food with enzymes and moves it along the gut. • The pancreas secretes enzymes into the lumen of the small intestine. • Enzymes digest most macromolecules in food into monomers in the small intestine. • Villi increase the surface area of epithelium over which absorption is carried out. • Villi absorb monomers formed by digestion as well as mineral ions and vitamins. • Different methods of membrane transport are required to absorb different nutrients.	• Notes/Lecture: 6.1 Digestion and Absorption	• Finish 6.1 Skills • Read 6.4 • Print Lung Capacity Lab	• Physiology of the Cardiovascular System	• Modelling the Small Intestine Lab
THURS	No Class	No Class	No Class	No Class	No Class	No Class
FRI	6.4 Gas Exchange	• Ventilation maintains concentration gradients of oxygen and carbon dioxide between air in alveoli and blood flowing in adjacent capillaries. • Type I pneumocytes are extremely thin alveolar cells that are adapted to carry out gas exchange. • Type II pneumocytes secrete a solution containing surfactant that creates a moist surface inside the alveoli to prevent the sides of the alveolus adhering to each other by reducing surface tension. • Air is carried to the lungs in the trachea and bronchi and then to the alveoli in bronchioles. • Muscle contractions cause the pressure changes inside the thorax that force air in and out of the lungs to ventilate them. Different muscles are required for inspiration and expiration because muscles only do work when they contract.	• Turn in 6.1 Skills • Notes/Lecture: 6.4 Gas Exchange • Practical 6: Lung Capacity Lab	• DBQ 312, 318 • Read 6.5	• Ventilation Terms	• Practical 6: Ventilation Experiments