IB Biology		Per 1				3/2-3/6
	Unit/Theme	**Objectives**	**Activities**	**Homework**	**Closure/Review**	**Assessment**
MON	No Class	No Class	No Class	No Class	No Class	No Class
TUES	5.1 Evidence for evolution	• Evolution occurs when heritable characteristics of a species change. • The fossil record provides evidence for evolution. • Selective breeding of domesticated animals shows that artificial selection can cause evolution. • Evolution of homologous structures by adaptive radiation explains similarities in structure when there are differences in function. • Populations of a species can gradually diverge into separate species by evolution. • Continuous variation across the geographical range of related populations matches the concept of gradual divergence. • Development of melanistic insects in polluted areas. • Comparison of the pentadactyl limb of mammals, birds,amphibians and reptiles with different methods of locomotion.	• Notes/Lecture: 5.1 Evidence for Evolution • Lab: Battling Beetles • Work on Group 4 Project	• Peppered moth Simulation Due • Print H-W Problems • Read 5.2 Natural Selection • Work on Group 4 Project *Solidify Topic *Assign Tasks *Prepare your part of presentation	• Group 4 Project Criteria	• Internal Assesment
WED	No Class	No Class	No Class	No Class	No Class	No Class
THURS	5.2 Natural selection	• Natural selection can only occur if there is variation among members of the same species. • Mutation, meiosis and sexual reproduction cause variation between individuals in a species. • Adaptations are characteristics that make an individual suited to its environment and way of life. • Species tend to produce more offspring than the environment can support. • Individuals that are better adapted tend to survive and produce more offspring while the less well adapted tend to die or produce fewer offspring. • Individuals that reproduce pass on characteristics to their offspring. • Natural selection increases the frequency of characteristics that make individuals better adapted and decreases the frequency of other characteristics leading to changes within the species.	• Turn in Peppered Moths HO • Notes/Lecture:5.2 Natural Selection • H-W Problems • Lab: Battling Beetles	• Finish H-W problems • Read 5.3 Classification and Biodiversity • Work on Group 4 Project *Solidify Topic *Assign Tasks *Prepare your part of presentation	• Group 4 Project Criteria	• Peppered Moth Simulation
FRI	No Class	No Class	No Class	No Class	No Class	No Class