

## Entomology Project Details

- A. 100 points of the marking period grade
- B. Due date: Monday October 17th
- C. Your group will create a bug collection, and a multimedia presentation
- D. Your media presentation must be presented to the class
- E. Groups will be determined by the instructor
- F. Your collection must contain 15 insects, with a description of each one; must have some terrestrial and aquatic insects (in other words, not all aquatic or all terrestrial)
- G. Your media presentation must also include pictures/video/details of the insects in your collection, plus at least one insect from another continent (preferably one that your group found very interesting)
- H. The entire life cycle of one insect of your choice must be explained in detail in your presentation
- I. Bonus points will be given for groups that incorporate contact with students from the continent of the selected insect described in G (above). (This excludes former foreign exchange students who have returned home)
- J. The Science Department has Flip cameras (video) and a digital camera available for your group to use. Please ask your instructor if you would like to borrow any equipment.
- K. MI Science Objectives (Biology) that could be included depending upon your research:
  - B1.1 Scientific Inquiry
  - B1.2 Scientific Reflection and Social Implications
  - L3.p1 Populations, Communities, and Ecosystems (*prerequisite*)
  - L3.p2 Relationships Among Organisms (*prerequisite*)
  - L3.p3 Factors Influencing Ecosystems (*prerequisite*)
  - L3.p4 Human Impact on Ecosystems (*prerequisite*)
  - B3.1 Photosynthesis and Respiration
  - B3.2 Ecosystems
  - B3.4 Changes in Ecosystems
  - B3.4x Human Impact
  - B3.5 Populations
  - B3.5x Environmental Factors
  - L4.p1 Reproduction (*prerequisite*)
  - L4.p2 Heredity and Environment (*prerequisite*)
  - B4.1 Genetics and Inherited Traits
  - B4.2 DNA
  - B2.3 Maintaining Environmental Stability
  - B2.3x Homeostasis
  - B2.4 Cell Specialization
  - B2.5 Living Organism Composition
  - B2.5x Energy Transfer
  - B2.6x Internal/External Cell Regulation
  - L5.p1 Survival and Extinction (*prerequisite*)
  - L5.p2 Classification (*prerequisite*)
  - B5.3 Natural Selection