ARTHROPOD UNIT

Virtual Arthropod Collection Grade Summary

Putting together a virtual arthropod collection can be a lot of work – but it’s a lot of fun too! There are many different types of insects, and some are very difficult to catch with a camera.

The whole idea of doing an arthropod collection is for you to go out in nature and “hunt” these arthropods, however, since it is fall semester and there aren’t many insects out and about, you will do this collection “virtually”.

Your insect collection will be graded on:

1. **Completeness (200 pts).** Are at least six insect orders represented? Do you have three classes of arthropods besides insects?
2. **Neatness (50 pts).** Are the specimens identifiable? Is the picture too fuzzy to tell what it is? Make sure your “photos” are not just blurs!
3. **Labeling (50 pts).** Are the specimens labeled correctly? Is the collection easy to read?

Total Points Possible: 300

Don’t forget this will count as your exam for the Arthropod unit!

DUE DATE:

Remember you can email me your project, put it on a flash drive and bring it in, or print off a hard copy. If you plan on emailing your project my email is jami.smith@canyonsdistrict.org

**GRADING RUBRIC, VIRTUAL COLLECTION**

10 points per specimen in at least **SIX** orders of insects and THREE additional classes of arthropod. (White = insect orders; Gray = arthropod classes)

You will need 20 specimens to receive all 200 points. You may have more than one insect from an order as long as you have six orders represented. For example, you might have 4 butterflies, 1 damselfly, 1 dragonfly, 1 wasp, 1 bee, 1 red ant, 1 black ant, 1 praying mantis, 3 different beetles, 1 grasshopper, and 1 cricket. That would represent 6 orders, but you would have 16 specimens. If you added 2 spiders, 1 lobster, and 1 centipede, you would have three other classes of arthropod and 4 more specimens for a total of 20.

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| Coleoptera (beetles)1 2 3 4 | Odonata (dragonflies/damselflies)1 2 3 4 | Hymenoptera (bees/ants)1 2 3 4 |
| Ephemeroptera (mayflies)1 2 3 4 | Dermaptera (earwigs)1 2 3 4 | Hemiptera (true bugs)1 2 3 4 |
| Lepidoptera (butterflies/moths)1 2 3 4 | Orthoptera (grasshoppers/crickets)1 2 3 4 | Diptera (flies)1 2 3 4 |
| Neuroptera (lacewings/antlions)1 2 3 4 | Mantodea (mantids)1 2 3 4 | Blattodea (cockroaches)1 2 3 4 |
| Plecoptera (stoneflies)1 2 3 4 | Thysanura (silverfish)1 2 3 4 | Siphonaptera (fleas)1 2 3 4 |
| Trichoptera (caddisflies)1 2 3 4 | Arachnida (spiders, mites, scorpions, etc.)1 2 3 4 | Crustacea (shrimp, lobster, crab, isopods, etc.)1 2 3 4 |
| Diplopoda (millipedes)1 2 3 4 | Chilopoda (centipedes)1 2 3 4 |  |