

Lesson Plan #1 Aquatic Insects

Objective: The students will be able to describe what types of insects live in water and what aquatic insects need for survival.

Materials: Chart Paper (KWL), hand lenses, journals, aquatic insects, aquarium

State Standards:

- 4.6.4 A. Understand that living things are dependent on nonliving things in the environment for survival.
- 3.3.7 A. Describe the similarities and differences that characterize diverse living things.

Time: This lesson is the introduction to aquatic insects. The students will observe and journal the changes they see in the animals over a 30 day period of time.

Procedure:

- Begin discussion on aquatic insects.
- What do we know about where insects live and what they need to survive?
- Discuss other places insects can live. (Water)
- Create a KWL chart listing what we know about aquatic insects, what we would like to know. At the end of our study, we will complete the final column listing what we have learned about aquatic insects.
- Show students some aquatic insects. Examples of aquatic insects: diving beetle, mosquito larva, giant water bug, damselfly nymph, and dragonfly nymph.
- Explain that these are the insects we will be observing over the next month and journaling the changes we see.
- Allow students time with hand lenses to observe and discuss what they see.

Closure:

- The students will journal any observations they make and draw and label the insect they are observing.

Extension Discussion:

- Discuss with the students what types of insects they would expect to find in our Three Rivers and why.

Culminating Activity:

- **Field Trip on the Discovery Voyager.** Students will be able to identify, if any, aquatic insects we observed in the classroom and which ones can be found in our local rivers.

FOSS (Full Option Science System) was a resource for this lesson. All insects can be ordered through FOSS.