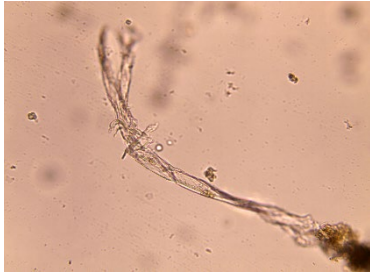


Digital Microscope

Rocky Bayou Christian School

2018/19

This microscope was used two different ways. For diversified classes, pre-mounted slides were shown on the overhead projector. Students wrote observations and then guessed what the slide was presenting. Slides used were fish scale, butterfly wing, frog blood, flea, fly larva, and feather barbules.



The 10th grade Biology class were given sample containers with blank labels. The students took them to 6 different water sources in Okaloosa County for samples. The containers were dated and labeled with approximate locations.

Two samples came from two separate farm ponds in Defuniak Springs, one was from a small stream in Crestview. Another was salt water sample from near Liza Jackson Park in Ft. Walton. One was a freshwater sample from Destin and another was a freshwater sample from Niceville.

With the aid of the teacher, students made covered well slides with water samples and projected the samples on the overhead projector from the microscope. Several slides showed pollen or algae only. Two showed nothing but dirt. One from Crestview and Defuniak Springs showed live, motile ciliates and fly larvae. These same slides showed motile water bears, algae and diatoms.

The students enjoyed this so much they came in with more water samples the next week, took videos on phones and with the microscope. While one student was learning to focus and adjust the microscope, another student was at the screen helping look for moving organisms and directing the scope user to help them focus. Students not using the microscope asked questions.

