



RAYMOND HIGH SCHOOL

Science Department

Melanie Buell

1. In College Prep Biology the class has just finished a lab using Koch's postulates. The students isolated bacteria in yogurt, grew it in a petri dish then used the new bacteria to turn milk into yogurt. This lab incorporated fermentation from the last unit and Koch's postulates for the new immunity unit.
2. In Anatomy the students are identifying muscles during their cat dissection.
3. Applied Biology has just finished their stem cell pamphlet identifying some of the confusing and controversial aspects of stem cell research.

Michelle Holland

In Biology students are constructing human karyotypes and identifying any associated disorders.
In Physical Science students are measuring and recording their motion and speed.

Fiona Coomey

In physical science, the students are learning about solubility and rates of dissolving. The students performed a two-part, hands-on lab to compare solubility, and rates of dissolving. The students and I also enjoyed exploring cooperative learning in order to enhance the participation of the students in their own exploration and learning of material.

Ben Ramsey

Mr. Ramsey's Environmental Science class is again participating in the "Adopt-A-Salmon" program. The goal of the Adopt-A-Salmon program is to provide memorable learning experiences that facilitate eco-literacy and a watershed stewardship ethic among participating students. Since the early 90's the United States Fish and Wildlife service has worked with schools to promote a "hands-on, minds-on" watershed education to classrooms throughout New England by providing student's an opportunity to raise endangered Atlantic salmon in classroom incubators. This close and personal experience with the charismatic salmon frames the students' yearlong, interdisciplinary exploration of their local watershed. Last week students received 300 salmon eggs. Students will spend the next several months caring for salmon from egg to fry. The program will culminate in the spring when students get a chance to experience a real stewardship activity by releasing their healthy salmon fry into a nearby stream.

Tom Koch

In Honors Chemistry we have just started discussing the Modern Atomic Theory and we will be using the UV-Vis spectrometer from UNH in labs to analyze samples. The spectrometer uses visible and ultraviolet light to help students analyze materials.
In Applied Physical Science we are using the Vernier motion probes to find and analyze motion of objects and students.
In Conceptual Physics we are just finishing our study of projectile motion. Students are currently using projectile motion launchers in an intensive eight-part lab. We will be starting the properties of liquids and gases next week.
In Physics we are covering rotational motion, torques, and simple machines. We will be starting the study of waves, sound, and light next week.

