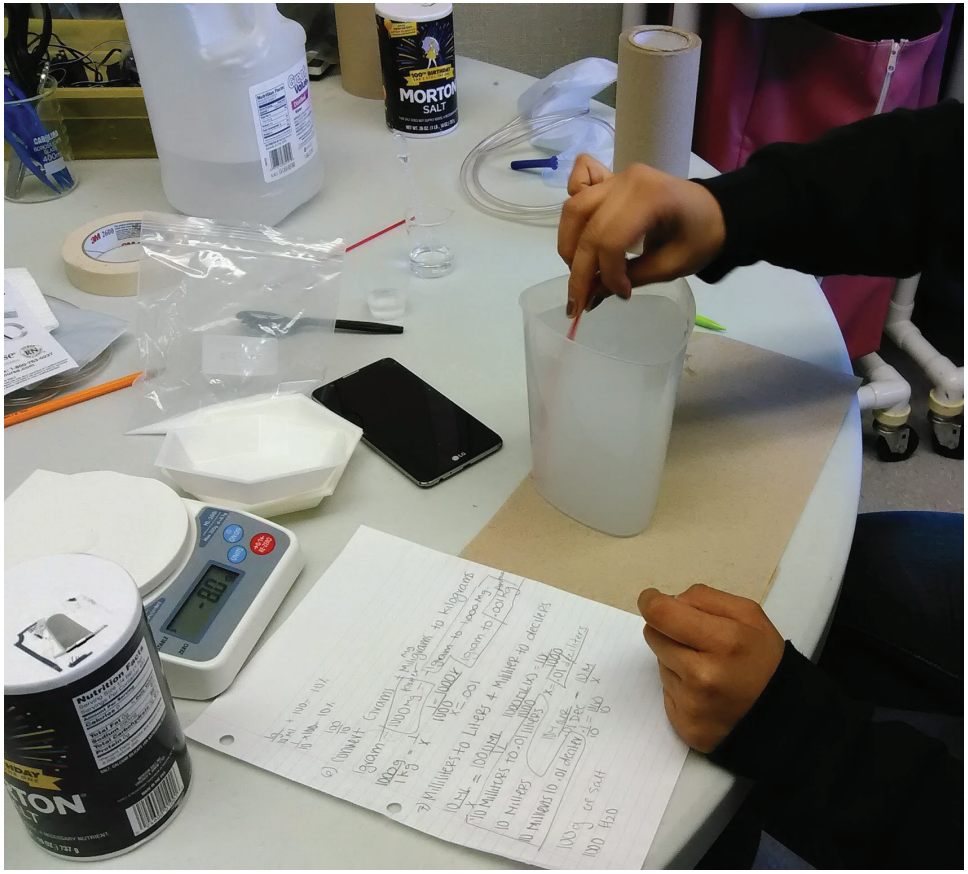

SCIENTIFIC METHOD IN MEDICINE

Medical Biology, *Leauretta Boulding*
NAPA HIGH SCHOOL

When diagnosing a patient, it is important to collect patient information, physical exam observations, medical history, and diagnostic tests to determine a diagnosis and start treatment. In this project, students evaluated and diagnosed a patient based on basic information provided as well as diagnostic test results. To solve the problem, students needed to break down and evaluate the observations and results separately in order to develop a correct diagnosis. They also worked to determine the best treatment option for the patient based on their research. The final product students created and presented was a video teaching other high school students how to use the scientific method in medicine. The videos were shared with other Biology teachers and students throughout the school and community.

Teacher Reflection

I think this project was a wonderful way to help the students develop a deeper understanding of the scientific method and its relationship to medicine. In the future, I would make the project shorter in length, give groups a different patient, and allow the students to have more creative control over the audience/direction of the video. I believe having the end-product as the final was a great idea, allowing students to shine.

Student Reflections

Something that was very beneficial to me that I got from this project is the knowledge of the scientific method. I now truly believe that I could teach people how to use the scientific method in medicine, like I did in the video. If I were to change something for next time it would be to communicate with my group members so they too have a good expectation for what the project is about. I feel like my group did really well on our final. I do think I took the leadership role and I think my group benefited from me doing so.

— Sierra