



**Editorial**

Welcome to the first issue of the LAB REPORT. This bi-monthly digital newsletter was created to keep the parents of students enrolled in biology informed about this course as well as current news in the Sherman Indian High School Science Department. This past week in biology we explored the importance and components of the plasma membrane and the concepts of diffusion and osmosis (Figures 1,3). Our next topic of study in biology will focus on the internal components of a cell and will include an oral poster presentation.

**Important Parent Information**

On **October 28, 2016** Sherman High School will host its annual teacher parent conference. Please plan to attend this fun filled and informative homecoming day. The events of the day will include the parent teacher conference in the morning, College Day in the afternoon, and the homecoming football game in the evening. On College Day local universities and colleges visit Sherman to inform Sherman students about their schools.

This year the Science Department is working closely with the Mathematics Department to incorporate a STEM approach in student education. I will include information on this in an upcoming newsletter. We are offering new science courses to our Sherman students. These courses include:



**Figure 1.** Gathering supplies for the diffusion laboratory in the Honor Biology Class.

Honor Biology, Agricultural Science, Agricultural Biology, and Geology. Agriculture Science and Agricultural Biology are offered through the Sherman CTE career pathways program by our new agricultural teacher, Ms. Gena Hasson.

There have been some notable changes at Sherman this year. Our new principal is Sister Mary Yarger and our new Academic Head is Matthew Townsend. We are very grateful that the San Manuel Band of Mission Indians of California have again funded our important Sherman CTE career pathways program for three years. Next year we hope to offer a Physics course for Sherman students.

Sherman students currently enrolled in Biology this year will have the option to go into several exciting science courses next year, including Chemistry (Figure 2), Geology, Agricultural Science, and possibly Physics.

It should be noted that parents are

**Focus on Personal**

The following is a list of science and mathematics teachers at Sherman High and the courses they teach:

**H. Bonner** - Geology, Environmental Science

**H. DeMone** - Chemistry, Biology

**\*G. Hasson** - Agricultural Science, Agricultural Biology

**V. Shattuck** - Honor Biology, Biology, Geometry

**H. Pappo** - Algebra Readiness, Algebra 1

**T. Colley** - Pre-Calculus, Algebra 1 for 1 and 1 years

**A Magdaleno** - Algebra 2, Algebra 1 for two years, math application

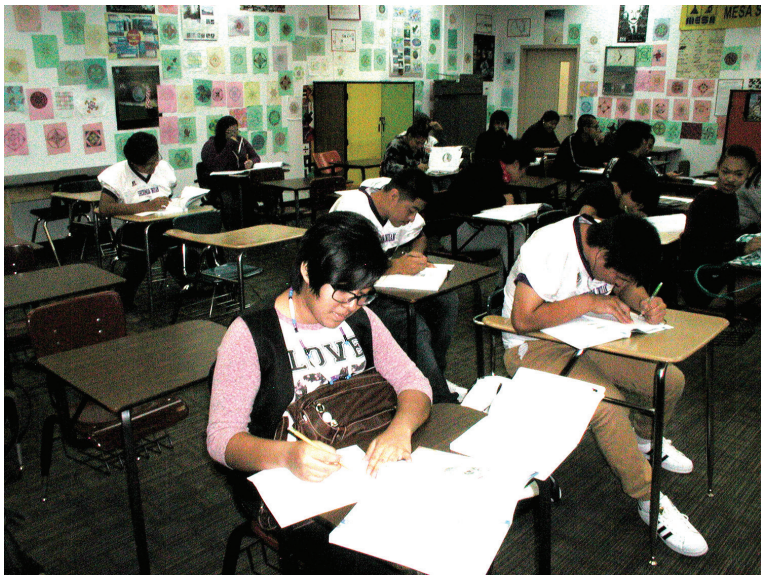
**\* CTE Pathway teacher**



**Figure 2.** Waiting for the right temperature in Ms. DeMone's Chemistry class.

able to access up to date students grades and work in Honor Biology or any other school courses by using the parent/student portal. Parents can use their son's or daughter's user names and passwords to enter this portal. A link to Sherman's web page is given: <http://www.sih.s.bie.edu/>





**Figure 3.** Sherman Biology Students carefully inspecting cell membrane diagrams.



**Figure 4.** A portion of the California Indian Day celebrations held on the Sherman Indian High School campus, September 23, 2016. Good food and fellowship were enjoyed by all.



**Figure 5.** New Sherman Indian High School Principal Sister Mary Yarger addressing attendees at the Indian Day celebration. To the right of Sister Yarger is Mikelle Ivins, Ms. Sherman for 2016/2017.



**Figure 6.** The 2016 Sherman Braves Football team - 31 players strong. The team is coached by R. Manzo, L. Camacho, D. Heard, and L. Hoff's