



Apr 29 2022 Page 0008 Clip resized 33%

OSSM installs gas chromatograph mass spectrometer for student use

Press Release

OKLAHOMA CITY, Okla. --- The Oklahoma School of Science and Mathematics (OSSM) announced today that it has purchased a gas chromatograph mass spectrometer for student use in OSSM chemistry classes. This sophisticated instrument enables students to identify different substances in test samples and is widely used in forensics, fire investigation, food safety, environmental analysis, and petrochemicals, among other fields.

OSSM students and faculty appreciate the generous funding from ONE Gas Foundation, Presbyterian Health Foundation, Bruzzy Westheimer, and Jeri and Warren Thomas for this state-of-the-art instrument.

"One of our goals at OSSM is to ensure that our students' laboratory experiences include working with modern instrumentation in courses such as Organic Chemistry and Biochemistry," said Fazlur Rahman, Ph.D., S.J. Sarkeys Chair and Professor of Chemistry at OSSM. "This instrument provides students the ability to separate, identify and quantify compounds at very low concentrations in complex mixtures. There is no more sensitive analytical instrumentation that can be used in a teaching laboratory situation than GC-MS. The machine will not only strengthen our chemistry/biochemistry curriculum, but also immensely help expand students' involvement in research mentorships leading to research publications."

About OSSM

Nationally ranked as a top public high school in the United States, OSSM provides a college-level, academically advanced curriculum in science and mathematics to juniors and seniors across the state. Created through legislative action in 1983, the two-year residential public high school serves all Oklahoma schools and students through state-wide math contests, day workshops for students, teacher professional development and outreach activities for students of varying ages. For more information, call (405) 521-6436.