



Princeton University Plasma Physics

SCIENCE PROGRAM PARTNERSHIP

We are pleased to report that the Science Program Partnership between The Lewis School and Princeton Plasma Physics Laboratory (PPPL) will again include Upper, Middle and Lower School students. The Lewis School will have access to The Plasma Physics program 5 days a week throughout the school year, where they will experience a broader variety of experiments and projects. This offers The Lewis School students the opportunity to work in close proximity with world-class research scientists in an exquisitely equipped laboratory facility - a remarkable offering for a K-12 school. This is possible because the mission statement from PPPL explicitly includes educational outreach and corresponding support:

Laboratory Mission

The U.S. Department of Energy's Princeton Plasma Physics Laboratory (PPPL) is a collaborative national center for plasma and fusion science. Its primary mission is to develop the scientific understanding and the key innovations which will lead to an attractive fusion energy source. Associated missions include conducting world-class research along the broad frontier of plasma science and technology, and providing the highest quality of scientific education.

Princeton University manages PPPL under contract with the U.S. Department of Energy. The Laboratory is sited on 72 acres of Princeton University's James Forrestal Campus, about four miles northeast of the main campus. The Laboratory's graduate education and science education programs provide educational opportunities for students and teachers from elementary school through postgraduate studies.

The following faculty/scientists are involved in maintaining and expanding the partnership:

The Lewis School

Marsha Lewis, Founder and Director
Dr. Judith Prybyla
Dr. Julie Keyer
Mrs. Chantra Reinman
Ms. Martina Hermann

PPPL

Dr. Andrew Post-Zwicker

Dr. Prybyla (The Lewis School) and Dr. Post-Zwicker (PPPL) have developed the laboratory curriculum for Upper School chemistry and physics students. Middle school curriculum development is underway by Mrs. Reinman (The Lewis School) and Dr. Post-Zwicker (PPPL). Lower school students will become involved especially with solar-powered model car design and robotics.

We look forward to a productive and exciting year in laboratory science.