SCIENCE DEPARTMENT

POSITION: Teacher of Science

DESCRIPTION: The science teacher’s primary responsibility will be to teach three classes of science in one or more of the disciplines described below. The St. Paul’s School Science and Mathematics Divisions occupy a state of the art facility (opening November, 2011). In addition to biology, chemistry, physics, and mathematics classrooms, this facility includes a solar observatory, robotics fabrication facility, and a large greenhouse. There is a separate observatory (with four domes and supporting facilities) located nearby on campus. Additionally, a two thousand acre campus serves as an outdoor laboratory for many life science courses.

Biology
Biology is an introductory class taught to juniors in small classes of twelve to fifteen students. Students will have taken Physics First and Chemistry prior to their experience in the Biology classes. Course Text Book: Biology, Concepts and Connections; Campbell, Reece, Mitchell, and Taylor. Preference will be given to candidates with the qualifications to teach introductory chemistry or an advanced life science course (Anatomy and Physiology, Molecular Biology, Ecology, or Marine Biology).

Education: A Masters Degree or higher in the life sciences supported by strength in chemistry. Assignments in the future may include teaching a class in chemistry.

Experience: Ability to teach all levels of biology including advanced electives. St. Paul’s School does not offer an Advanced Placement program. Advanced courses are taught at the AP level or higher. Applicants with a botany background are encouraged to apply.

Physics
St. Paul’s School offers a Physics First curriculum. The core course sequence consists of physics in the first year followed by chemistry and biology. Preference will be given to candidates who can teach courses in one or more of the following areas: advanced physics, mathematics, engineering, computer programming, robotics, and astronomy courses.

Education: A Master Degree or higher is preferred with a major in physic, engineering, astrophysics, or mathematics.

Experience: Demonstrated ability to teach physics and contribute to expanding programs in robotics, engineering and astronomy is required.

Chemistry
St. Paul’s School offers three levels of chemistry and an organic chemistry elective course. Preference will be given to candidates who can teach biology, physics, or mathematics in addition to chemistry.

Education: A Masters Degree or higher in chemistry is preferred.

Experience: Preference will be given to candidates who have two more years of chemistry teaching experience (with laboratory component) at the high school or college level.