MIDDLE SCHOOL SCIENCE TEACHER

JOB SUMMARY
Deliver innovative Science instruction to middle level learners in grades 6 through 8. The Middle School Science Teacher must possess a breadth of Science and Technology knowledge designed to cultivate critical thinking skills, and enhance the understanding of scientific methodology and effective lab practices. Essential to the success of the Mid-Pacific Science program is the capacity to foster relationships with outside partners and Science-based professionals in support of the instructional program. Additionally, critical to their skillset is the ability to be instructionally flexible by integrating outside collaborations that make science engaging and relevant to the lives of students.

ESSENTIAL FUNCTIONS
• Plans Science instruction focused on student thinking about complex problems and relies on ongoing targeted feedback.
• Understands and communicates effective Science and Technology instruction by making logical connections between the two.
• Must understand Science, Technology, Engineering and Math (STEAM) and Next Generation Science Standards (NGSS) and able to plan and implement instruction based on their instructional framework.
• Collect and analyze data from disparate resources to solve problems and apply new solutions.
• Able to effectively engage students in productive metacognitive strategies about their own learning.
• Able to communicate with parents and essential school personnel as it relates to student success.
• Experience with guiding students in the development of a digital portfolio that demonstrates an understanding of relevant science principles.
• Makes him/herself available to work with parents and students when appropriate and the need presents itself.
• Evaluates students’ academic growth and maintain appropriate records and prepare progress reports.
• Keeps abreast of all new curricular developments, participates in student related activities leading to professional growth and disseminates information regularly to subject area team members.
• Experience with guiding students in the development of a digital portfolio that communicates their learning of relevant Science principles through triangulated sources.
• Remain current of curricular instructional development and implement changes appropriate to addressing the needs of today’s learner.
• Effectively works with school administration to meet the needs of students.
- Cultivate working relationship between students and community to deepen their understanding of science and technology and its practical applications.

**ESSENTIAL CHARACTERISTICS**

- The ability to teach students to manage their learning by identifying options, evaluating opportunities and organizing educational experiences that will enable them to work within a problem-based collaborative environment.
- Understand the importance of student based assessment practices designed to encourage student growth and improve instructional practices.
- Motivate students and nurture their desire to learn in a safe, healthy and supportive environment which develops compassion and mutual respect.
- Able to translate knowledge learned by developing critical thinking student-centered real world relevant activities.
- Able to work within a non-traditional curricular framework and develop relevant, meaningful instruction focused on the needs of today’s learner.
- Understand and leverage the use of the digital environment as an effective tool for supporting the needs of today’s learner.
- A self-directed learner comfortable with a constantly evolving instructional framework.
- Strong interpersonal skills with students, parents, colleagues, and community members.
- The ability to challenge students with open-ended questions for the purpose of guiding them through self-discovery.
- A proven record of making an effort to build a network of professional colleagues: locally, nationally, and internationally for the purpose of engaging in professional growth beyond the current school environment—a well established Professional Learning Network (PLN).
- Approach the profession with maturity, gravitas, humility, versatility—solution-mindedness with a strong work ethic, and sense of humor.
- The desire to support students as they take part in various extracurricular school activities.

**EDUCATION and/or EXPERIENCE**

- A Bachelor’s degree in Science or a related field is required.
- A minimum of three years of middle level teaching experience is strongly preferred.
- Must have an understanding of technology and comfortable working within a digital environment.
- Must be intimately familiar with instructional methodologies that require students to apply their knowledge of Science and Technology to a problem based learning environment.
- Must be able to create learning opportunities that enable students to have the experience of achieving expertise by researching, understanding, and developing new knowledge
about technology, their environment and drawing meaningful connections between the two.

- Must be intimately aware of multiple forms of assessment to evaluate student learning, and provide ongoing feedback to students to empower them to manage and accelerate their own learning.
- Must be comfortable with drawing from multiple resources in order to plan and deliver Science instruction without the dependence of a textbook.
- Must possess a systematic approach to managing a classroom environment that affords students the opportunity to work in a collaborative environment that often extends beyond the classroom.

PHYSICAL DEMANDS
Our campus consists of multiple buildings on 44 hilly acres that requires frequent walking including uphill and stairs. The individual is required to talk and hear, often required to sit and use their hands and fingers, to handle or feel and to manipulate keys on a keyboard. The employee may be required to stand, walk, lift and carry approximately 10-15 pounds, reach with arms and hands, climb or balance, and to stoop, bend, kneel, crouch or crawl. Requires close vision.

LANGUAGE SKILLS
Ability to read, write and interpret documents such as budgets, reports, operating and maintenance instructions, procedure manuals and policies. A qualified person will possess the ability to write routine reports, memos, letters and correspondence. Knowledge of and ability to apply accepted English usage, grammar, spelling and punctuation.

MENTAL DEMANDS
On a daily basis must frequently problem solve, make decisions, interpret data, organize, plan, and clearly communicate.

EQUIPMENT USE
Telephone, computer, iPad, copier, printers and other hardware – frequently

WORKING CONDITIONS
Indoor – frequently; Outdoor, Loud Noise, Cold and Hot Temperatures – occasionally

WORKING ENVIRONMENT
Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.