With STREAM-focused curriculum and activities, we create unique and individualized experiences for each and every student and teacher.

**Alternative Energy:** Photovoltaic and fuel cell technology, exploring alternative energy sources: solar, wind, hydro.

**Anatomy:** Animal dissections, human respiration, muscles, joints, digestive system and the skeletal system, energy production.

**Archeology and Paleontology:** Archeological dig, geologic time, study, creation, and collection of fossils.

**Art:** Earth sculptures, photography, art in nature, art history, study of movement and music, creative writing, acting skills and techniques, improvisation.

**Astronomy:** Lunar environment, telescopes, solar system, study of the sun, constellations, stars and galaxies.

**Botanical Identification & Studies:** Trees, plants and fungi, collecting specimens, understanding weeds, understanding the structure of plants, seeds and seed dispersal methods, create medicine, beauty products and art from native plants.

**Business and Economics:** Cost effectiveness, research, market, and advertising, project management.

**Character Education and Cultural Studies:** Cultural differences and cultural biases, challenging biases and preconceptions, world geography and cultures from around the globe, understanding disabilities.

**Chemistry:** Acids & bases, chemical testing of water sources, reagents and cations.

**Conservation and Stewardship:** Composting and recycling, invasive plant species eradication, landfills and local waste management, ecological footprints.

**Cooperation, and Problem-solving:** Communication skills, cooperative competition, teambuilding, the importance of expression.

**Energy and Motion:** Conductors; convection, absorption, and radiation, electromagnets and electric currents, convection and current, kinetic and potential energy, momentum, acceleration, velocity and vectors.

**Engineering:** Construction and stress tests, pulleys and mechanical advantage.

**Environmental Studies:** Food chains and biomagnification, watersheds and water conservation, deforestation.

**Genetics and Health:** Nutrition, human genetics and immune system, sensory information.

**Geology:** Soil layers and composition, tectonic plate movements, formation of islands; sweepstake dispersal, seismographs and epicenters, weather.

**History:** American Civil War and Revolutionary War, pioneers and westward expansion, medieval hierarchy, World Wars and politics, interactions between countries.

**Law and Government:** How to pass a bill, checks and balances, government branches, judicial system.

**Mapping and Orienteering:** How to use a compass and geometric shapes, shelter and fire building, backpacking, outdoor survival skills.

**Mathematics:** Nature and symmetry, measurement from algebra equations.

**Zoology:** Animal identification, behavior and adaptations, nocturnal animals, predation, overpopulation and human involvement.