



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

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

Anthropology and Sociology: Archeological dig, study, creation, and collection of fossils, evolution, cultural differences, world geography, language.

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

Astronomy: Study of our sun, moon and solar system, stars, constellations and galaxies.

Biology: Macroinvertebrate identification and water testing, see Botanical Studies, Genetics & Health, Zoology & Ecology.

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

Business & Economics: Marketing, advertising, production, consumption, currency.

Character Education: Understanding disabilities, community service, homelessness, challenging biases and preconceptions.

Chemistry: Acids & bases, chemical testing of household objects and water sources, the scientific method.

Conservation & Stewardship: Composting and recycling, invasive plant species eradication, landfills and waste management, ecological footprints, the 4 R's, single-use plastics, fossil fuels.

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

Engineering: Imagining, designing, building, testing, and improving solutions to problems.

Environmental Studies: Watersheds, conservation, preservation, restoration, deforestation, climate change.

Genetics and Health: Nutrition, immune system, sensory information, genetic factors and inheritance, DNA and mutations.

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

History: American wars, explorers and discoveries, ancient civilizations, westward expansion and the Goldrush, medieval hierarchy, World Wars and politics, immigration.

Government & Political Science: Government branches and their functions, lobbying, passing a bill, judicial system and trials, prison system, environmental law, EPA.

Mapping, Orienteering & Outdoor Skills: How to use a compass and map, shelter and fire building, hiking and backpacking preparation, outdoor survival skills, first-aid.

Mathematics: Nature and symmetry, equations in nature.

Physics & Energy: Conductors; convection, current, absorption, and radiation, kinetic and potential energy, momentum, acceleration, velocity and vectors, exploring alternative energy sources.

Zoology & Ecology: Animal identification, behavior and adaptations, nocturnal animals, predation, overpopulation, food chains and biomagnification.