

Paul Smith Children's Village at the Cheyenne Botanic Gardens

Illustrative Field Trip Menu

****Note: We select lessons based on your science curriculum unit at the time of the visit. We modify lesson design to prevent being repetitive as students advance in grade.*

\$40 Per Class, 45 Minutes, Max. 42 Students Per Lesson

Water Cycle Game – Travel through the Water Cycle as a single “Drop” and learn about climate, evaporation, condensation, precipitation, transpiration, sublimation, infiltration, sublimation, perspiration, exhalation and urination.

Earth Layers, Rock Cycle & Soil – Learn about the core, mantle crust, bedrock, subsoil, topsoil, sand, silt clay, igneous, metamorphic, sedimentary rocks and soil painting.

Forms of Energy – Explore kinetic, potential, chemical, thermal, electrical, mechanical, sound, electromagnetic (light) and elastic energy with Rubber Band Balls.

Wind Turbines and the Scientific Method – Conduct an experiment with electricity to determine if 3, 5 or 9 blade wind turbines create more energy. Students will use voltmeters and anemometers.

Solar System – Create a scale model solar system, 1 inch= 1 million miles, learn about rotation, revolution, seasons, day length, sunrise, sunset, lunar New Year and phases of the moon.

Plant Life Cycles & Seasonal Changes – Seeds, roots, stems, leaves, flowers fruits, cones, annuals, biennials, perennials, climate and adaptations all packaged in a Seed Necklace.

Properties of Matter – Molecules, solids, liquids and gases. Bags of water and sharp pencils.

Animal Classification – Play a Linnaeus inspired sorting game and distinguish the difference between omnivores, carnivores, herbivores, Mammals, Reptiles, Amphibians, Bird, Fish, Amphibians, and Insects.

Seed Bombs – Learn about the basic needs of living things, soil, and guerilla planting.

Earth Landforms – Using sand create mountains, plateaus, valleys, canyons and plains while learning about erosion and fast and slow changes to the Earth's crust.

Catapults and the Scientific Method – Using rubber bands, craft sticks and the scientific we explore force, lever and load.

Storytime Based Field Trip - Each field trip features a dance, a Story time, a simple educational lesson, coloring pages and a simple make and take craft.

Monthly Calendar Program Option – Drop-In public program from our monthly calendar. Drop-In public programs are educational and mischievous.

Educational Program Design, Historical & Botanical Site Tour – Learn how we came to be and why we are the way we are and why we do what we do. This is primarily for old people (grown-ups)...

