

The Palo Alto Junior Museum and Zoo Elementary School Lessons Offered 2016-17 School Year

GRADE	LIFE SCIENCE	EARTH SCIENCE	PHYSICAL SCIENCE
K	Life Lab	Biomes	Wood Unit
	Zoo Animals	Rainforest	Floating and Sinking
	Five Senses	Polar	Making Paper ++
		Desert	Paper Towers
		Riparian	Engineering with Paper **
1	Organisms	Air & Weather	Solids & Liquids
	Adaptations	Air Pressure	Viscosity Experiment
	Camouflage	Wind	Phase Changes
	Bats	Storms	Surface Tension
	Habitats		What is a Liquid? ^^
2	Life Cycles	Pebbles, Sand & Silt	Balance & Motion
	Arthropods	Rock Cycle and Rock Sorting	Balance and Falling
	Bee Society	Weathering and Erosion	Bouncing and Rolling
	Engineering – Seed Pods **	Sand Investigation Lab	Speed and Friction
	Life Cycles ^^	Fossils	Sound
		Sound Explorations	
3	Adaptations	Sun, Moon & Stars	Energy & Matter
	Plants of the Baylands	The Reason for Seasons	Periodic Chart – Atoms & Molecules
	Birds of the Baylands	Telescopes ++	Chemical Reactions
	Fish Adaptations	Starlab Planetarium	Potential vs. Kinetic Energy
	Outdoor Field Trips: Foothills Park or Baylands		Solar Energy
		Engineering – Marble Paths **	
4	Environments & Animal Studies	Earth Science	Electricity
	Carnivorous Plants	Rock Identification	Static Electricity
	Animal Morphology – Squid Dissection	Mineral Identification	Intro to Electric Circuits
	Animal Classification ^^	Engineering – Wind Power **	Electric Cars **#
	Engineering – Earthquake Construction **	Solar-Powered Circuits #	
5	Human Body	Water Planet	Mixtures & Solutions
	Microscopes and Cells	Air Pressure, Advanced	Identifying Mixtures & Solutions
	Dissection: Mammal Eye or Heart	Water Pollution	Mysterious White Powder Lab
	Lung Models	Water Filtration	Thermochemistry
	Digestion Lab	Dew Point	
	Engineering – Submarines **		

++ Making Paper and Telescopes lessons require parent volunteers.

** Electric Cars and all Engineering lessons require two class periods.

Electric Cars and Solar-Powered Circuits lessons require prior basic understanding of circuits.

^^ Only recommended as introductory lesson to complete unit.