

K, 1st and 2nd grade



FASSV Science Curriculum

Term 1 - The Child's Body and Health Education

Cycle 2 program	Lessons and Activities : a few examples	Goals to attain :a few examples
<ul style="list-style-type: none"> ❖ The Child's Body : basic concepts in anatomy and physiology ❖ Importance of daily routines: hygiene, cleanliness, nutrition, sleep, lifestyle patterns...) 	<p>GS/K: Composition and motion of the body; we breathe, our blood flows, we eat, we sleep. The 5 senses</p> <p>CP/1st Gr.: Name limbs. Identify motion. Average growth and development from baby to adult. Nutrition (diverse kinds of food, from animal or vegetable source, raw or cooked...) Learn about teeth.</p> <p>CE1/2nd Gr.: Functions of teeth. Balanced diet; the 6 food groups. Overall hygiene (body-lifestyle). The 5 senses</p>	<ul style="list-style-type: none"> -Learn about different kinds of motion -Learn about the role played by sensory organs in the identification of objects. -Understand that all living organisms develop progressively, that nails and hair grow during our entire life. -Understand how joints help the motion of limbs. -Understand that food comes from living organisms. -Learn about teeth and the role of the different types of teeth. -Understand the importance of a balanced diet.

Term 2 - Matter

Cycle 2 Program	Lessons and Activities : a few examples	Goals to attain :a few examples
<ul style="list-style-type: none"> ❖ Water in everyday life: ice, liquid water and steam ❖ The existence of air ❖ Use of a thermometer in typical situations. 	<p>GS/K: Where is water in our environment? What floats and what sinks? What is a liquid? A solid? We breathe in air. Air is invisible. We can see the effects of wind. CP/1st Gr.: how can we see air? Solid or liquid? Review. Water or ice? Making ice cubes. CE1/2nd Gr.: What causes the wind? Building 2 instruments to understand the wind: a weathervane and an anemometer. Changing water into ice in the classroom. Solidification and then fusion. Invisible water: what becomes of the water when wet clothes get dry? What is condensation? Using different types of containers to transfer water</p>	<ul style="list-style-type: none"> -Notion of liquid (flows, has no shape of its own) and solid (has its own shape, can be held in hand) -Understand that the wind is air in motion. -Water/ice: understand that the substance is conserved and that change is reversible.. -Evaporation/condensation/fusion -Understand the specifics of wind

Term 3 - Objects and Materials

Cycle 2 Program	Lessons and Activities : a few examples	Goals to attain :a few examples
<ul style="list-style-type: none"> ❖ Using regular tools. ❖ Assembling and disassembling simple tools ; making a diversity of basic tools for practical use or for play ❖ Learning about the properties of some common materials ❖ Using objects running on batteries 	<p>GS/K : making a paper windmill Weighing: which object is heavier? Playing with a mirror.</p> <p>CP/1st Gr. : objects made of 1, 2, or more substances Practical objects: disassembling a ball-point pen. Making Christmas cards and a rocking toy that won't topple. Using magnets to make games.</p> <p>CE1/2nd Gr.: Are these bottles empty?(air) How does a thermometer work? Meteorology (weather forecast). Observation, classification of electrical appliances. Building a bridge / a paper calendar, a magnetic tack made of modeling salt dough.</p>	<p>-Single out and differentiate the notions of objects, property and substance.</p> <p>-make an object : know how to read directions to make an object or observe an object and determine how it was made.</p> <p>-Notion that why an object is, or is not, attracted by a magnet depends not on the object itself but on its substance, and that of all the metals, only iron is attracted.</p> <p>-Learn that thermometers can be classified based on what they are used for.</p> <p>-Notion that air occupies some space and has some power.</p> <p>-Understand different ways to provide electricity to an appliance</p>

Term 4 - The Sky and the Earth

Cycle 2 program	Lessons and Activities : a few examples	Goals to attain :a few examples
❖ Space - The Earth, our planet	<p>GS/K: Observing satellite photos of the Earth. Mountains and islands. Using modeling clay.</p> <p>CP/1st Gr.: Knowing the names of planets in the solar system. Stars are suns. Space travel.</p> <p>CE1/2nd Gr.: Living in space (environment : no air or water, low temperatures) Identifying 2 or 3 constellations Different types of rocks</p>	<ul style="list-style-type: none"> - Know that the Earth is round and revolves around the sun. - Notion of relief in landscape : land and sea - The Earth is part of the solar system -What is a star? -The living environment is different in space : We are not meant to live without air and in very low temperatures.

Term 5 - Manifestations of Animal and Plant Life

Cycle 2 program	Lessons and Activities : a few examples	Goals to attain :a few examples
<ul style="list-style-type: none"> ❖ Animals and plants are living organisms ; pets and livestock ; migrations ; how animals feed ; plant life that students are familiar with in their environment (school garden or classrooms) ❖ Animals and plants in their own environment. ❖ Seasonal changes and how they affect the environment. 	<p>GS/K: live or not? In the classroom: observation of snails, insects, and earthworms, planting of seeds in containers. An environment : the garden CP/1st grade: all animals don't eat the same things. Vegetarian/carnivorous/omnivorous animals. How are animals born? How are plants germinated? What is a plant? An environment: the forest. CE1/ 2nd grade: trees reproduce, get bigger and taller. The life cycle of animals and plants. How animals use tools to eat and how they move about. Notion of food chain. An example : the 4 seasons in the forest</p>	<ul style="list-style-type: none"> -Know that all living organisms breathe, absorb nutrients, grow, and reproduce. -Realize that animals move about differently according to the milieu where they live. - Verify that a seed produces a new plant of the same species. -Observe the diversity of food that different animals eat. - Know that there are different ways to be born. -Understand that a tree grows only when buds open. -Notion of life cycle: birth, newborn phase, growing phase, adult phase, reproductive phase, death. -Understand the interaction of living organisms: food chains.