



Competencies and Characteristics

Science and Technology

Cycle 1
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COMPETENCY • TO EXPLORE THE WORLD OF SCIENCE AND TECHNOLOGY

COMPETENCY • TO EXPLORE THE WORLD OF SCIENCE AND TECHNOLOGY			
	Evaluation Criteria		
	Use of language appropriate to the description of phenomena or objects in his/her immediate environment		
	Formulation of explanations or possible solutions		
LEARNINGS			
	• The material world		
	Classification of objects according to their properties and characteristics (e.g. shape, size, colour, texture, smell)		
	Conservation of matter (e.g. mass, shape, surface, liquid quantity, length)		
	Mixtures		
	- Miscible and nonmiscible substances (e.g. water and milk; water and oil)		
	- Soluble and nonsoluble substances		
	Absorption		
	Permeability and impermeability		
	Solid, liquid, gaseous state; phase changes (e.g. evaporation)		
	Friction (e.g. pushing an object, letting an object slide, letting an object roll)		
	Transparence (e.g. translucence, opaqueness)		
	Magnets (characteristics and uses)		
	Common household products (e.g. properties, uses, safety-related symbols)		
	Everyday technical objects		
	- Description of parts and mechanisms		
	- Identification of the needs this object was originally designed to meet		
	• Earth and Space		
	Light and shadow		
	Temperature (measuring instruments and seasons)		
	Water in all its forms (clouds, rain, rivers, lakes, oceans)		
System involving the Earth, the moon, and the sun			

LEARNINGS (cont)			
	• Living things		
	External anatomy of human beings		
	Food production techniques (e.g. making butter, bread)		
	Plant growth (needs of a plant)		
	Foods of domesticated and wild animals		
	Animal's adaptation to its environment (e.g. anatomy, behaviour)		
	Consumption of living things (food, housing, everyday products)		