

Grade 1 Science Standards and Benchmarks

Standard 1: Students will understand atmospheric processes and the water cycle

Level 1 (PS-2)

Benchmarks:

- 1.1 Knows that short-term weather conditions (e.g., temperature, rain, snow) can change daily, and weather patterns change over the season

Standard 4: Students will understand the principles of heredity and related concepts

Benchmarks:

- 4.2. Knows that differences exist among individuals of the same kind of plant or animal

Standard 5: Students will understand the structure and function of cells and organisms

Benchmarks:

- 5.1 Knows the basic needs of plants and animals (e.g., air, water, nutrients, light or food, shelter)
- 5.2 Knows that plants and animals have features that help them live in different environments

Standard 6: Students will understand relationships among organisms and their physical environment

Benchmarks:

- 6.1 Knows that plants and animals need certain resources for energy and growth (e.g., food, water, light, air)

Standard 8: Students will understand the structure and properties of matter

Benchmarks:

- 8.1 Knows that different objects are made up of many different types of materials (e.g., cloth, paper, wood, metal) and have many different observable properties (e.g., color, size, shape, weight)

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Standard 12: Students will understand the nature of scientific inquiry

Benchmarks:

- 12.1 Knows that learning can come from careful observations and simple experiments
- 12.2 Knows that tools (e.g., thermometers, magnifiers, rulers, balances) can be used to gather information and extend the senses

Standard 13: Students will understand the scientific enterprise

Benchmarks:

- 13.1 Knows that in science it is helpful to work with a team and share findings with others

Science Units in ISKL Melawati

Grade	Earth and Space Sciences	Life Sciences	Physical Sciences	
Prep R & J				SENSES
Prep S		Characteristics and needs of Living Things	Water	
Grade 1	Weather	Organisms	Solids and liquids	
Grade 2	SOILS	Life cycle of the butterfly	Changes	
Grade 3	Land and water	Plant growth		
Grade 4	Earth Structure		Motion and design	
Grade 5	Earth in Space		Electrical Circuits	

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