Content Expectations by Grade Span

Discipline: Life Science (L)

Standard: Organization of Living Things (OL)

Grade Span: Elementary (K-4)

Content Statement Code	Content Statement
L.OL.E.1	***Life Requirements-*** *Organisms have basic needs. Animals and plants need air, water, and food. Plants also require light. Plants and animals use food as a source of energy and as a source of building material for growth and repair.*
Content Expectation Code	**Content Expectation**
L.OL.00.11	Identify that living things have basic needs.
L.OL.00.12	Identify and compare living and nonliving things.
L.OL.01.13	Identify the needs of animals.
L.OL.02.14	Identify the needs of plants.
L.OL.04.15	Determine that plants require air, water, light, and a source of energy and building material for growth and repair.
L.OL.04.16	Determine that animals require air, water, and a source of energy and building material for growth and repair.

Content Expectations by Grade Span

Discipline: Life Science (L)

Standard: Organization of Living Things (OL)

Grade Span: Elementary (K-4)

Content Statement Code	Content Statement
L.OL.E.2	***Life Cycles-*** *Plants and animals have life cycles. Both plants and animals begin life and develop into adults, reproduce, and eventually die. The details of this life cycle are different for different organisms.*
Content Expectation Code	**Content Expectation**
L.OL.01.21	Describe the life cycle of animals including the following stages: egg, young, adult; egg, larva, pupa, adult.
L.OL.02.22	Describe the life cycle of familiar flowering plants including the following stages: seed, plant, flower, and fruit.

Content Expectations by Grade Span

Discipline: Life Science (L)

Standard: Organization of Living Things (OL)

Grade Span: Elementary (K-4)

Content Statement Code	Content Statement
L.OL.E.3	***Structures and Functions-*** *Organisms have different structures that serve different functions in growth, survival, and reproduction.*
Content Expectation Code	**Content Expectation**
L.OL.03.31	Describe the function of the following plant parts: flower, stem, root and leaf.
L.OL.03.32	Identify and compare structures in animals used for controlling body temperature, support, movement, food-getting and protection (For example: fur, wings, teeth, claws).

Content Expectations by Grade Span

Discipline: Life Science (L)

Standard: Organization of Living Things (OL)

Grade Span: Elementary (K-4)

Content Statement Code	Content Statement
L.OL.E.4	***Classification-*** *Organisms can be classified on the basis of observable characteristics.*
Content Expectation Code	**Content Expectation**
L.OL.03.41	Classify plants on the basis of observable physical characteristics (roots, leaves, stems and flowers).
L.OL.03.42	Classify animals on the basis of observable physical characteristics (backbone, skin, shell, limbs, scales).

Content Expectations by Grade Span

Discipline: Life Science (L)

Standard: Heredity (HE)

Grade Span: Elementary (K-4)

Content Statement Code	Content Statement
L.HE.E.1	***Observable Characteristics-*** *Plants and animals share many, but not all, characteristics of their parents.*
Content Expectation Code	**Content Expectation**
L.HE.01.11	Identify characteristics (For example: body coverings, beak shape, number of legs, body parts) that are passed on from parents to young.
L.HE.01.12	Classify young animals based on characteristics that are passed on from parents (For example: dogs/puppies, cats/kittens, cows/calves, chickens/chicks).
L.HE.02.13	Identify characteristics of plants (For example leaf shape, flower type, color, size) that are passed on from parents to young.

Content Expectations by Grade Span

Discipline: Life Science (L)

Standard: Evolution (EV)

Grade Span: Elementary (K-4)

Content Statement Code	Content Statement
L.EV.E.1	***Environmental Adaptation-*** *Different kinds of organisms have characteristics that help them to live in different environments.*
Content Expectation Code	**Content Expectation**
L.EV.03.11	Relate characteristics and functions of observable parts in a variety of plants that allow them to live in their environment (For example: leaf shape, thorns, odor, color).
L.EV.03.12	Relate characteristics and functions of observable body parts to the ability of animals to live in their environment (For example: sharp teeth, claws, color, body covers).

Content Expectations by Grade Span

Discipline: Life Science (L)

Standard: Evolution (EV)

Grade Span: Elementary (K-4)

Content Statement Code	Content Statement
L.EV.E.2	***Survival-*** *Individuals of the same kind differ in their characteristics, and sometimes the differences give individuals an advantage in surviving and reproducing.*
Content Expectation Code	**Content Expectation**
L.EV.04.21	Identify individual differences (For example: color, leg length, size, wing size) in organisms of the same kind.
L.EV.04.22	Identify how variations in physical characteristics of individual organisms give them an advantage for survival and reproduction.

Content Expectations by Grade Span

Discipline: Life Science (L)

Standard: Ecosystems (EC)

Grade Span: Elementary (K-4)

Content Statement Code	Content Statement
L.EC.E.1	***Interactions-*** *Organisms interact in various ways including providing food and shelter to one another. Some interactions are helpful: others are harmful to the organism and other organisms.*
Content Expectation Code	**Content Expectation**
L.EC.04.11	Identify organisms as part of a food chain or food web.

Content Expectations by Grade Span

Discipline: Life Science (L)

Standard: Ecosystems (EC)

Grade Span: Elementary (K-4)

Content Statement Code	Content Statement
L.EC.E.2	***Changed Environment Effects-*** *When the environment changes, some plants and animals survive to reproduce; others die or move to new locations.*
Content Expectation Code	**Content Expectation**
L.EC.04.21	Explain how environmental changes can produce a change in the food web.