IXL Skill Plan

Louisiana Student Standards: Grade 3

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PS | Physical Sciences

3-PS2 Motion and Stability: Forces and Interactions

3-PS2-1: Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.

1. Identify pushes and pulls Z79
2. How do balanced and unbalanced forces affect motion? MGM
3. How do mass and force affect motion? E8S

3-PS2-2: Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.

3-PS2-3: Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.

Static electricity

1. Introduction to static electricity and charged objects S2E

Magnetic interactions

2. Identify magnets that attract or repel JCN
3. Label magnets that attract or repel 8NG
4. Compare strengths of magnetic forces RTM

3-PS2-4: Define a simple design problem that can be solved by applying scientific ideas about magnets.

1. Solve problems using magnets 85B

LS | Life Sciences

3-LS1 From Molecules to Organisms: Structures and Processes

3-LS1-1: Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.

Animal life cycles

1. Read animal life cycle diagrams WUA
2. Construct animal life cycle diagrams S6J
3. Compare stages of an animal's life cycle 7H8
4. Compare different animals' life cycles 4N7

Plant life cycles

5. Read and construct flowering plant life cycle diagrams LKD
6. How do flowering plants make new plants? 5M4

3-LS2 Ecosystems: Interactions, Energy, and Dynamics

3-LS2-1: Construct and support an argument that some animals form groups that help members survive.

1. Benefits of group behavior: North American caribou HXS
2. Benefits of group behavior: African wild dogs M7E
3. Benefits of group behavior: leaf-cutter ants ZM5

3-LS3 Heredity: Inheritance and Variation of Traits

3-LS3-1: Analyze and interpret data to provide evidence that plants and animals have traits inherited from their parents and that variation of these traits exists in a group of similar organisms.

Traits

1. What affects traits? Use observations to support a hypothesis 9V9
2. Match offspring to parents using inherited traits SRH
3. Identify inherited and acquired traits R2A

Pedigree charts

4. Read a plant pedigree chart RNY
5. Read an animal pedigree chart WFF

3-LS3-2: Use evidence to support the explanation that traits can be influenced by the environment.

1. What affects traits? Use observations to support a hypothesis 9V9
2. Inherited and acquired traits: use evidence to support a statement BGE

3-LS4 Biological Evolution: Unity and Diversity

3-LS4-1: Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago.

1. Introduction to fossils PR8
2. Compare fossils to modern organisms JCL
3. Compare ancient and modern organisms: use observations to support a hypothesis 2TL

3-LS4-2: Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing.

3-LS4-3: Construct and support an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.

Adaptations

1. Introduction to adaptations N9R
2. Animal adaptations: beaks, mouths, and necks RV5
3. Animal adaptations: feet and limbs S6C
4. Animal adaptations: skins and body coverings 8ZN

Ecosystems

5. Identify ecosystems NBV
6. Describe ecosystems UZR

3-LS4-4: Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.

ESS | Earth and Space Sciences

3-ESS2 Earth's Systems

3-ESS2-1: Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.

Temperature

1. Read a thermometer UXH
2. Compare temperatures on thermometers RRA
3. Collect and graph temperature data GWZ

Climate data

4. Use climate data to make predictions R6U
5. Use data to describe U.S. climates SLJ
6. Use data to describe world climates AE7

3-ESS2-2: Obtain and combine information to describe climates in different regions around the world.

Weather and climate

1. What's the difference between weather and climate? JCR
2. Weather and climate around the world 7Q6
3. Weather or climate? Cite text XV6

Climate data

4. Use climate data to make predictions R6U
5. Use data to describe U.S. climates SLJ
6. Use data to describe world climates AE7

3-ESS3 Earth and Human Activity

3-ESS3-1: Make a claim about the merit of a design solution that reduces the impact of a weather-related hazard.

1. Evaluate multiple design solutions to prevent flooding LYN
2. Identify the best design solution to prevent hurricane damage 3X9