

Third Grade

Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.

3-PS2-1

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

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

3-PS2-2

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-PS2-2

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

3-PS2-3

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

Define a simple design problem that can be solved by applying scientific ideas about magnets.

3-PS2-4

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

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

3-LS1-1

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

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

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

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

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

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

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

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

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

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-LS4-2

10 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-LS4-2

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

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

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. 3-LS4-4

12 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. 3-LS4-4

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

ESS2-1

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

Obtain and combine information to describe climates in different regions of the world. 3-

ESS2-2

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

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

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

Define a simple design problem, reflecting a need or a want, that includes specified criteria for success and constraints on materials, time, or cost. 3-ETS1-1

16 Define a simple design problem, reflecting a need or a want, that includes specified criteria for success and constraints on materials, time, or cost. 3-ETS1-1

Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem. 3-ETS1-

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17 Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem. 3-ETS1-2

Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved. 3-ETS1-3

18 Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved. 3-ETS1-3