

# 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

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**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

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**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

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**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

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**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

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**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**

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**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**

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**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**

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**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**

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**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**

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**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**

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**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

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**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

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**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

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**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

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**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

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**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**