3rd Grade Standards:

Performance Expectation		Disciplinary Core Idea		Science and Engineering Practices		Crosscutting Concepts	
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.**	**PS2.A**	**Forces and Motion**	**SEP-1**	**Asking Questions and Defining Problems**	**CCC-1**	**Patterns**
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.**	**PS2.B**	**Types of Interactions**	**SEP-2**	**Developing and Using Models**	**CCC-3**	**Cause and Effect**
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.**	**LS1.B**	**Growth and Development of Organisms**	**SEP-3**	**Planning and Carrying Out Investigations**	**CCC-3**	**Scale, Proportion, and Quantity**
3-PS2-4	**Define a simple design problem that can be solved by applying scientific ideas about magnets.**	**LS2.D**	**Social Interactions and Group Behavior**	**SEP-4**	**Analyzing and Interpreting Data**	**CCC-4**	**Systems and System Models**
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.**	**LS3.A**	**Inheritance of Traits**	**SEP-5**	**Using Mathematical and Computational Thinking**	**CCC-5**	**Energy and Matter**
3-LS2-1	**Construct an argument that some animals form groups that help members survive.**	**LS3.B**	**Variation of Traits**	**SEP-6**	**Constructing Explanations and Designing Solutions**	**CCC-6**	**Structure and Function**
3-LS3-1	**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.**	**LS4.A**	**Evidence of Common Ancestry and Diversity**	**SEP-7**	**Engaging in Argument from Evidence**	**CCC-7**	**Stability and Change**

3-LS3-2	**Use evidence to support the explanation that traits can be influenced by the environment.**	**LS4.B**	**Natural Selection**	**SEP-8**	**Obtaining, Evaluating, and Communicating Information**		
3-LS4-1	**Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago.**	**LS4.C**	**Adaptation**				
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.**	**LS4.D**	**Biodiversity and Humans**				
3-LS4-3	**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.**	**ETS1.A**	**Defining and Delimiting Engineering Problems**				
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.**	**ETS1.B**	**Developing Possible Solutions**				
3-5-ETS1-1	**Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.**	**ESS2.D**	**Weather and Climate**				
3-5-ETS1-3	**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.**	**ESS3.B**	**Natural Hazards**				
3-ESS2-1	**Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.**	**ETS1.B**	**Developing Possible Solutions**				

3-ESS2-2	**Obtain and combine information to describe climates in different regions of the world.**							
3-ESS3-1	**Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard.**							
3-5-ETS1-2	**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.**							