

Willington Public Schools
Grade 3
End of Trimester 1
Science Performance Expectations

Forces and Interactions	<ul style="list-style-type: none">● Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.● Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.● Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.● Define a simple design problem that can be solved by applying scientific ideas about magnets.
Engineering Design	<ul style="list-style-type: none">● Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.● 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.● 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.

Willington Public Schools
Grade 3
End of Trimester 2
Science Performance Expectations

Weather and Climate	<ul style="list-style-type: none">● Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.● Obtain and combine information to describe climates in different regions of the world.● Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard.
Engineering Design	<ul style="list-style-type: none">● Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.● 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.● 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.

Willington Public Schools
Grade 3
End of Trimester 3
Science Performance Expectations

Interdependent Relationships in Ecosystems	<ul style="list-style-type: none">● Construct an argument that some animals form groups that help members survive.● Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago.● 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.● 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.
Engineering Design	<ul style="list-style-type: none">● Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.● 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.● 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.