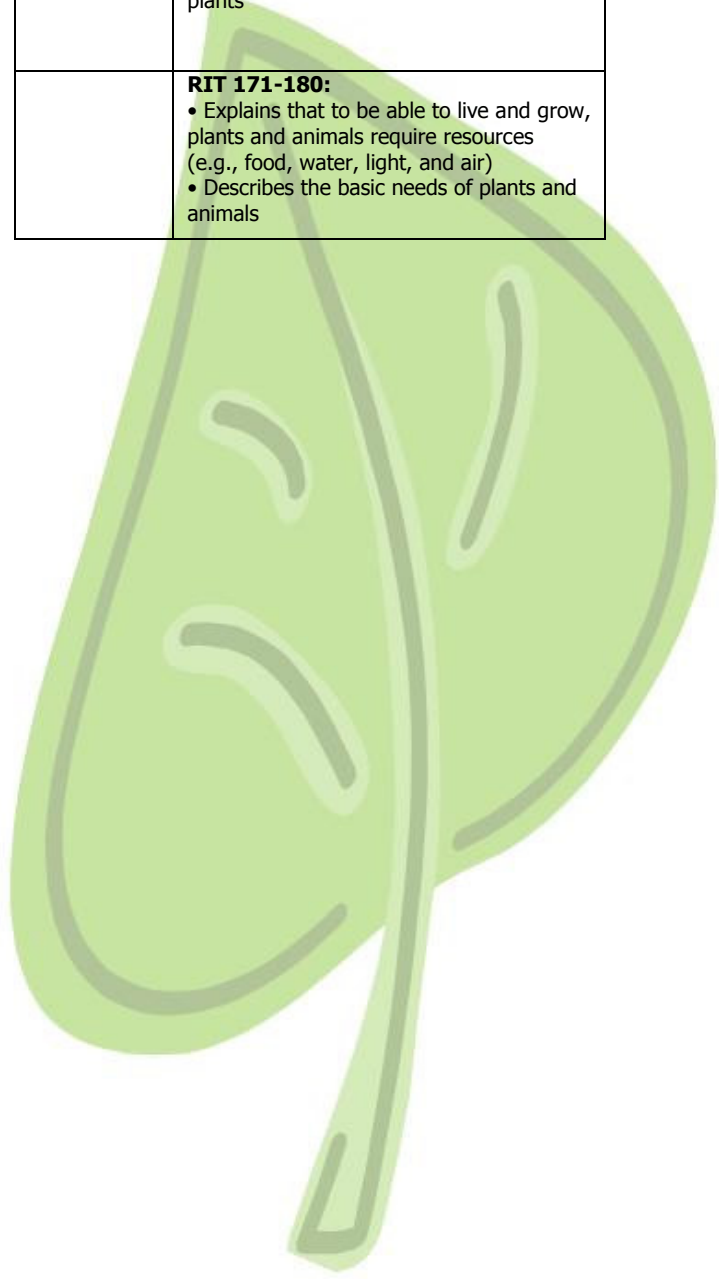


Science DesCartes: General Science – Life and Environmental Sciences
Skills: Cycles of Matter and Energy

Students:	DesCartes Skills: (Highlight the skills related to your chosen standard/concept)
	RIT 231-240: <ul style="list-style-type: none"> Recognizes the carbon cycle Recognizes that producers convert light energy into chemical energy Describes the organization of a pyramid of biomass
	RIT 221-230: <ul style="list-style-type: none"> Describes the carbon cycle Recognizes that plants convert light energy into stored energy Classifies organisms according to the function they serve in a food chain Explains why numbers of organisms decrease as trophic level within a food chain increases Predicts which link in a food chain will be made up of the fewest number of organisms Recognizes that food webs are comprised of more than one food chain Recognizes that individual food chains occur within a food web
	RIT 211-220: <ul style="list-style-type: none"> Describes how capture of light by plants serves as the basis of all food chains Explains how organisms are related within food chains Infers how changes in one portion of a food chain will affect other parts of the food chain Explains why numbers of organisms decrease as trophic level within a food chain increases Predicts which link in a food chain will be made up of the fewest number of organisms Describes how producers, carnivores, herbivores and decomposers interact to form a food chain
	RIT 201-210: <ul style="list-style-type: none"> Gives examples of foods produced by plants Explains how energy is supplied to an ecosystem primarily as sunlight Describes how energy flows through a food web, from producers to consumers Builds a simple food chain, using a given set of organisms Recognizes the producer in a food chain Differentiates between consumers that eat plants and consumers that eat other consumers Understands that the role of a decomposer is to recycle matter from dead plants and animals Gives examples of decomposers Matches a decomposer to its specific role in an ecosystem Describes the organization of a pyramid of numbers

	RIT 191-200: <ul style="list-style-type: none"> Recognizes that food chains (generally) begin with a plant Describes the organization of a simple food web Explains that green plants can make their own food from sunlight Locates the producer in an ecological pyramid
	RIT 181-190: <ul style="list-style-type: none"> Gives examples of foods that come from plants
	RIT 171-180: <ul style="list-style-type: none"> Explains that to be able to live and grow, plants and animals require resources (e.g., food, water, light, and air) Describes the basic needs of plants and animals



Science DesCartes: General Science – Life and Environmental Sciences

Skills: Cycles of Matter and Energy

Lesson Title:

Standard/Concept for All:

Introduction: (Get Attention; Connect to Prior Knowledge)

For Students Ready for a Challenge:

Lesson/Activity:

Resources:

Means of Assessment:

For Most Students:

Lesson/Activity:

Resources:

Means of Assessment:

For Students Needing Extra Support:

Lesson/Activity:

Resources:

Means of Assessment:

Closure/Summary for All: