

	OBJECTIVES	ACTIVITIES	RESOURCES	HOMEWORK	EVALUATION	STANDARDS
MON	<p>The student will learn about....</p> <p>Ecosystems: Interactions, Energy, & Dynamics</p> <ul style="list-style-type: none"> Matter & Energy Flow Population Dynamics Interdependent Relationships Biodiversity 	<p>Bell Ringer: What form does water take as it moves through ecosystems?</p> <p>Abiotic v. Biotic Factors Review</p> <p>Water Cycle Review</p>	<ul style="list-style-type: none"> ✓ Textbook Laboratory Experience Video Slides / Pictures Assessment ✓ Handout / Worksheet ✓ Chart / Graph Map / Model ✓ Chromebook/Computer PowerPoint Other: 	<p>Complete any incomplete assignments.</p>	<ul style="list-style-type: none"> Oral Responses ✓ Homework ✓ Notebook Quiz Major Test ✓ Project/Report/Presentation ✓ Daily Work Observation ✓ Worksheet/Handout ✓ Lab/ Lab Composition ✓ Class/Group Participation 	<p>S5. Construct an explanation of how the cycling of matter between abiotic and biotic parts of ecosystems demonstrates the flow of energy and the conservation of matter, including the carbon, nitrogen, and water cycles.</p> <p>S6. Analyze and interpret data to predict how environmental conditions, genetic factors, and resource availability will impact the growth of individual organisms and populations of organisms in an ecosystem.</p> <p>S7. Analyze and interpret data to explain how density-independent and density-dependent limiting factors in an ecosystem can lead to shifts in populations.</p> <p>S8. Construct an explanation that predicts patterns of interactions between and among organisms in different ecosystems.</p> <p>S9. Design a solution to maintain biodiversity and ecosystem services in a given scenario. Examples: considering economic and social factors when making decisions about purifying water, recycling nutrients, preventing soil erosion, improving conditions for threatened and endangered species</p> <p>S10. Obtain, evaluate, and communicate information about characteristic animal behaviors and specialized plant structures and their effect on the probability of successful reproduction. Examples: building nest to protect young from cold, flower characteristics that attract pollinators</p>
TUE	<p>The student will learn about....</p> <p>Ecosystems: Interactions, Energy, & Dynamics</p> <ul style="list-style-type: none"> Matter & Energy Flow Population Dynamics Interdependent Relationships Biodiversity 	<p>Bell Ringer: What do living things use nitrogen for?</p> <p>Launch Lab: How can you model raindrops?</p>	<ul style="list-style-type: none"> ✓ Textbook ✓ Laboratory Experience Video Slides / Pictures Assessment ✓ Handout / Worksheet Chart / Graph Map / Model ✓ Chromebook/Computer PowerPoint Other: 	<p>Complete any incomplete assignments.</p>	<ul style="list-style-type: none"> Oral Responses ✓ Homework ✓ Notebook Quiz Major Test ✓ Project/Report/Presentation ✓ Daily Work Observation ✓ Worksheet/Handout Lab/ Lab Composition ✓ Class/Group Participation 	<p>S5. Construct an explanation of how the cycling of matter between abiotic and biotic parts of ecosystems demonstrates the flow of energy and the conservation of matter, including the carbon, nitrogen, and water cycles.</p> <p>S6. Analyze and interpret data to predict how environmental conditions, genetic factors, and resource availability will impact the growth of individual organisms and populations of organisms in an ecosystem.</p> <p>S7. Analyze and interpret data to explain how density-independent and density-dependent limiting factors in an ecosystem can lead to shifts in populations.</p> <p>S8. Construct an explanation that predicts patterns of interactions between and among organisms in different ecosystems.</p> <p>S9. Design a solution to maintain biodiversity and ecosystem services in a given scenario. Examples: considering economic and social factors when making decisions about purifying water, recycling nutrients, preventing soil erosion, improving conditions for threatened and endangered species</p> <p>S10. Obtain, evaluate, and communicate information about characteristic animal behaviors and specialized plant structures and their effect on the probability of successful reproduction. Examples: building nest to protect young from cold, flower characteristics that attract pollinators</p>
WED	<p>The student will learn about....</p> <p>Ecosystems: Interactions, Energy, & Dynamics</p> <ul style="list-style-type: none"> Matter & Energy Flow Population Dynamics Interdependent Relationships Biodiversity 	<p>Bell Ringer: What is nitrogen fixation?</p> <p>Amoeba Sisters: Nitrogen & Oxygen Cycle Review</p>	<ul style="list-style-type: none"> ✓ Textbook Laboratory Experience ✓ Video Slides / Pictures Assessment ✓ Handout / Worksheet Chart / Graph Map / Model ✓ Chromebook/Computer ✓ PowerPoint Other: 	<p>Complete any incomplete assignments.</p>	<ul style="list-style-type: none"> Oral Responses ✓ Homework ✓ Notebook Quiz Major Test ✓ Project/Report/Presentation ✓ Daily Work Observation ✓ Worksheet/Handout Lab/ Lab Composition ✓ Class/Group Participation 	<p>S5. Construct an explanation of how the cycling of matter between abiotic and biotic parts of ecosystems demonstrates the flow of energy and the conservation of matter, including the carbon, nitrogen, and water cycles.</p> <p>S6. Analyze and interpret data to predict how environmental conditions, genetic factors, and resource availability will impact the growth of individual organisms and populations of organisms in an ecosystem.</p> <p>S7. Analyze and interpret data to explain how density-independent and density-dependent limiting factors in an ecosystem can lead to shifts in populations.</p> <p>S8. Construct an explanation that predicts patterns of interactions between and among organisms in different ecosystems.</p> <p>S9. Design a solution to maintain biodiversity and ecosystem services in a given scenario. Examples: considering economic and social factors when making decisions about purifying water, recycling nutrients, preventing soil erosion, improving conditions for threatened and endangered species</p> <p>S10. Obtain, evaluate, and communicate information about characteristic animal behaviors and specialized plant structures and their effect on the probability of successful reproduction. Examples: building nest to protect young from cold, flower characteristics that attract pollinators</p>

THUR	<p>The student will learn about....</p> <p>Ecosystems: Interactions, Energy, & Dynamics</p> <ul style="list-style-type: none"> • Matter & Energy Flow • Population Dynamics • Interdependent Relationships • Biodiversity 	<p>Bell Ringer: What might happen if heat were not absorbed by green house gases?</p> <p>Amoeba Sisters: Carbon Cycle Review</p> <p>Ch. 20: Vocabulary & Spelling Test</p>	✓	Textbook	Complete any incomplete assignments.		Oral Responses	<p>S5. Construct an explanation of how the cycling of matter between abiotic and biotic parts of ecosystems demonstrates the flow of energy and the conservation of matter, including the carbon, nitrogen, and water cycles.</p> <p>S6. Analyze and interpret data to predict how environmental conditions, genetic factors, and resource availability will impact the growth of individual organisms and populations of organisms in an ecosystem.</p> <p>S7. Analyze and interpret data to explain how density-independent and density-dependent limiting factors in an ecosystem can lead to shifts in populations.</p> <p>S8. Construct an explanation that predicts patterns of interactions between and among organisms in different ecosystems.</p> <p>S9. Design a solution to maintain biodiversity and ecosystem services in a given scenario. Examples: considering economic and social factors when making decisions about purifying water, recycling nutrients, preventing soil erosion, improving conditions for threatened and endangered species</p> <p>S10. Obtain, evaluate, and communicate information about characteristic animal behaviors and specialized plant structures and their effect on the probability of successful reproduction. Examples: building nest to protect young from cold, flower characteristics that attract pollinators</p>
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			✓	Video		✓	Notebook	
				Slides / Pictures			Quiz	
			✓	Assessment			Major Test	
			✓	Handout / Worksheet		✓	Project/Report/Presentation	
				Chart / Graph		✓	Daily Work	
				Map / Model			Observation	
			✓	Chromebook/Computer		✓	Worksheet/Handout	
				PowerPoint			Lab/ Lab Composition	
	Other:	✓	Class/Group Participation					
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