Teacher: Ericka R. Woodson   Week of: 4/28/2025-5/02/2025   Subject: 7th Grade- Life Science   Period: 1st-6th

	OBJECTIVES	ACTIVITIES	RESOURCES		HOMEWORK	EVALUATION		STANDARDS
MON	The student will learn about…. Ecosystems: Interactions, Energy, & Dynamics • Matter & Energy Flow • Population Dynamics • Interdependent Relationships • Biodiversity	**Bell Ringer:** What are natural resources? Ch 23 – Using Natural Resources 23.1 Earth's Resources Natural Resources Nonrenewable Resources	✓ Textbook Laboratory Experience Video Slides / Pictures Assessment ✓ Handout / Worksheet Chart / Graph Map / Model ✓ Chromebook/Computer PowerPoint Other:		Complete any incomplete work.	✓ Oral Responses ✓ Homework ✓ Notebook Quiz Major Test Project/Report/Presentation ✓ Daily Work ✓ Observation ✓ Worksheet/Handout ✓ Lab/ Lab Composition ✓ Class/Group Participation		**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. **S7.** Analyze and interpret data to explain how density-independent and density-dependent limiting factors in an ecosystem can lead to shifts in populations. **S8.** Construct an explanation that predicts patterns of interactions between and among organisms in different ecosystems. **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 **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
TUE	The student will learn about…. Ecosystems: Interactions, Energy, & Dynamics • Matter & Energy Flow • Population Dynamics • Interdependent Relationships • Biodiversity	**Bell Ringer:** What characteristic makes a resource nonrenewable? Nonrenewable Resources Renewable Resources	✓ Textbook Laboratory Experience Video Slides / Pictures Assessment ✓ Handout / Worksheet Chart / Graph Map / Model ✓ Chromebook/Computer PowerPoint Other:		Complete any incomplete work.	✓ Oral Responses ✓ Homework ✓ Notebook Quiz Major Test Project/Report/Presentation ✓ Daily Work ✓ Observation ✓ Worksheet/Handout Lab/ Lab Composition ✓ Class/Group Participation		**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. **S7.** Analyze and interpret data to explain how density-independent and density-dependent limiting factors in an ecosystem can lead to shifts in populations. **S8.** Construct an explanation that predicts patterns of interactions between and among organisms in different ecosystems. **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 **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
WED	The student will learn about…. Ecosystems: Interactions, Energy, & Dynamics • Matter & Energy Flow • Population Dynamics • Interdependent Relationships • Biodiversity	**Bell Ringer:** How do inexhaustible resources differ from renewable and nonrenewable resources? Inexhaustible Resources • Solar Energy • Wind Power • Geothermal Energy	✓ Textbook Laboratory Experience Video Slides / Pictures Assessment ✓ Handout / Worksheet Chart / Graph Map / Model ✓ Chromebook/Computer PowerPoint Other:		Complete any incomplete work.	Oral Responses ✓ Homework ✓ Notebook ✓ Quiz ✓ Major Test Project/Report/Presentation ✓ Daily Work ✓ Observation ✓ Worksheet/Handout Lab/ Lab Composition ✓ Class/Group Participation		**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. **S7.** Analyze and interpret data to explain how density-independent and density-dependent limiting factors in an ecosystem can lead to shifts in populations. **S8.** Construct an explanation that predicts patterns of interactions between and among organisms in different ecosystems. **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 **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

Day	Objective	Lesson / Bell Ringer	✓	Materials	Homework	✓	Assessment	Standards
THUR	The student will learn about…. Ecosystems: Interactions, Energy, & Dynamics • Matter & Energy Flow • Population Dynamics • Interdependent Relationships • Biodiversity	**Bell Ringer:** How does pollution affect water resources? Lesson 23.2 – Pollution • Air Pollution • Water Pollution • Land Pollution	✓ ✓ ✓	Textbook Laboratory Experience Video Slides / Pictures Assessment Handout / Worksheet Chart / Graph Map / Model Chromebook/Computer PowerPoint Other:	Complete any incomplete work.	✓ ✓ ✓ ✓ ✓ ✓ ✓	Oral Responses Homework Notebook Quiz Major Test Project/Report/Presentation Daily Work Observation Worksheet/Handout Lab/ Lab Composition Class/Group Participation	**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. **S7.** Analyze and interpret data to explain how density-independent and density-dependent limiting factors in an ecosystem can lead to shifts in populations. **S8.** Construct an explanation that predicts patterns of interactions between and among organisms in different ecosystems. **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 **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
FRI	The student will learn about…. Ecosystems: Interactions, Energy, & Dynamics • Matter & Energy Flow • Population Dynamics • Interdependent Relationships • Biodiversity	**Bell Ringer:** How does pollution affect land resources? Vocabulary/Spelling Test Lesson 23.3 Protecting Earth • Monitoring Human Impact on Earth • Developing Technologies • Making a Difference	✓ ✓ ✓ ✓	Textbook Laboratory Experience Video Slides / Pictures Assessment Handout / Worksheet Chart / Graph Map / Model Chromebook/Computer PowerPoint Other:	Complete any incomplete work.	✓ ✓ ✓ ✓ ✓ ✓ ✓	Oral Responses Homework Notebook Quiz Major Test Project/Report/Presentation Daily Work Observation Worksheet/Handout Lab/ Lab Composition Class/Group Participation	**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. **S7.** Analyze and interpret data to explain how density-independent and density-dependent limiting factors in an ecosystem can lead to shifts in populations. **S8.** Construct an explanation that predicts patterns of interactions between and among organisms in different ecosystems. **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 **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