

5th Grade Natural World Unit Project

The Natural World: Look up! Look down! Look outside! Just look at the natural world around you! The sky, plants, and animals are all interacting together in our environment. By the end of this unit, you will have a better understanding of the natural world around you.

DAY	Lesson Topics	Work Assigned to Student
1	<p>ELA / Social Studies - Reading comprehension, vocabulary</p> <p>Math / Science - Ecosystems and Data Displays</p> <p>Art - Environmental Advertisement</p> <p>PE - Daily Workout</p> <p>Makerspace - 3D Straws</p>	<p>ELA / Social Studies - This week, you will be reading and writing about how human activities affect the natural world around us. Start by reading article #1 at the level that best suits your reading ability.</p> <p>Article #1: McDonalds and Plastic Straws</p> <ul style="list-style-type: none"> ○ At grade level ○ Below grade level <p>Complete quiz at the end of the article. You may print the quiz or write your answers on a separate sheet of paper.</p> <p>Math / Science - Watch the following two videos and test your knowledge on ecosystems.</p> <ul style="list-style-type: none"> ● “Ecosystems” Video ● “Changing Ecosystems” Video ● Talk a walk in your neighborhood or a park and note how living/nonliving things interact in your neighborhood ● Draw and color a picture of the ecosystem you see, using labels. Write 1-2 paragraphs about the ecosystem you see.: Use some of the following science vocabulary: biotic, abiotic, producers, herbivores, omnivores, carnivores, decomposers, scavengers. <p>Art - Create an artistic advertisement for an environmental issue. Click link for project instructions, examples, and requirements. 5th Grade Art Instructions Create an advertisement.pdf</p> <p>PE/Health - Daily Workout Chart</p> <p>Makerspace - Read about current innovations by engineers at McDonald’s using 3D printing to change the look and function of straws. Use TinkerCAD and the Engineering Design Process to create a new straw. Instructions sheet</p>

<p>2</p>	<p>ELA / Social Studies - Reading comprehension, vocabulary</p> <p>Math / Science - Line Plots</p> <p>Art - Environmental Advertisement</p> <p>PE - Daily Workout</p> <p>Makerspace - 3D Straws</p>	<p>ELA / Social Studies - Read the article at the level that best suits your reading ability. Article #2: Balloons and Marine Life</p> <ul style="list-style-type: none"> ○ At grade level ○ Below grade level ○ Above grade level <p>Complete quiz at the end of the article. You may print the quiz or write your answers on a separate sheet of paper.</p> <p>Math / Science - Line Plots Watch video: Line Plots Video How do we collect information (data) about things we observe in the natural world? Do 10 practice questions on IXL.com to practice creating and interpreting line plots *Need extra support? Practice Link</p> <p>Art - Continue working on environmental advertisement. 5th Grade Art Instructions Create an advertisement.pdf</p> <p>PE/Health - Daily Workout Chart</p> <p>Makerspace - Continue working on 3D straw project if needed.</p>
<p>3</p>	<p>ELA / Social Studies - Reading comprehension, vocabulary, writing</p> <p>Math / Science - Line Graphs</p> <p>Art - Environmental Advertisement</p> <p>PE - Daily Workout</p> <p>Makerspace - 3D Straws</p>	<p>ELA / Social Studies - Read the article at the level that best suits your reading ability. Article #3: Reduce Plastic Use</p> <ul style="list-style-type: none"> ○ At grade level ○ Below grade level ○ Above grade level <ul style="list-style-type: none"> ● Complete quiz at the end of the article. You may print the quiz or write your answers on a separate sheet of paper. ● Choose two of the articles read this week to examine the problems and solutions explained in the articles. Create a graphic organizer in preparation for a multi-paragraph essay you will write tomorrow. <p>Math / Science - Line Graphs Watch video: Line Graphs Video How do we collect information (data) about things we observe in the natural world? Do 10 practice questions on IXL.com to practice creating and interpreting line graphs *Need Extra Support? Practice Link</p>

		<p>*Extra Graph Resources</p> <p>Art - Continue working on environmental advertisement. 5th Grade Art Instructions Create an advertisement.pdf</p> <p>PE/Health - Daily Workout Chart</p> <p>Makerspace - Continue working on 3D straw project if needed.</p>
<p>4</p>	<p>ELA / Social Studies - Reading comprehension, vocabulary, writing</p> <p>Math / Science - Graph and Analyze Relationships</p> <p>Art - Environmental Advertisement</p> <p>PE - Daily Workout</p> <p>Makerspace - 3D Straws</p>	<p>ELA / Social Studies - Using the two articles and the graphic organizer you created, draft a multi-paragraph essay responding to the following prompt: <i>Humans are responsible for negatively impacting our natural world with plastics. They are also working towards positive solutions to this problem. In your essay, explain the problem humans have caused to our natural world and the ways we are attempting to solve the problem.</i></p> <p>In your draft, be sure to include:</p> <ul style="list-style-type: none"> ● Introduction ● Body paragraphs including <ul style="list-style-type: none"> ○ topic sentences ○ text evidence and elaboration ○ concluding sentences ● Conclusion <p>Math / Science - Graph and Analyze Relationships Watch video: Graph and Analyze Relationships Video How do we collect information (data) about things we observe in the natural world? Do 10 practice questions on IXL.com to practice creating and interpreting tables and graphs *Need extra support? Practice Link</p> <p>Art - Continue working on environmental advertisement. 5th Grade Art Instructions Create an advertisement.pdf</p> <p>PE/Health - Daily Workout Chart</p> <p>Makerspace - Continue working on 3D straw project if needed.</p>
<p>5</p>	<p>ELA / Social Studies Reading</p>	<p>ELA / Social Studies - Edit and revise your multi-paragraph essay:</p> <ul style="list-style-type: none"> ● Edit: check for proper punctuation, capitalization, indenting, spelling

	<p>comprehension, vocabulary, writing</p> <p>Math / Science - Sunrise / Sunset Graphing</p> <p>Art - Environmental Advertisement</p> <p>PE - Daily Workout</p> <p>Makerspace - 3D Straws</p>	<ul style="list-style-type: none"> • Revise: strengthen introduction, conclusion, word choice, sentence structure, transition words/phrases <p>Math / Science - Apply your knowledge of how we collect and display data about the natural world. Examine the Sunrise Sunset chart for Cleveland.</p> <ul style="list-style-type: none"> • https://www.timeanddate.com/sun/usa/cleveland • Scroll to the bottom of the page and look for March 2020 - Sun in Cleveland. Focus on the Day length column. Look for March 17th where the length is 12:01:56 (12 hours, 1 minute, 56 seconds) from sunrise to sunset. Notice also how the length increased 2:47 (2 minutes, 47 seconds) from the day before. • Do you know the scientific (astronomical) explanation for this change? • Consider the best way to communicate this change graphically. Either try on a piece of graph paper or use this website: https://nces.ed.gov/nceskids/graphing/classic/ <p>Art - Continue working on environmental advertisement. 5th Grade Art Instructions Create an advertisement.pdf</p> <p>PE/Health - Daily Workout Chart</p> <p>Makerspace - Continue working on 3D straw project if needed.</p>
	<p>Optional Learning Opportunities</p>	<ul style="list-style-type: none"> • Read your independent reading book for 20 minutes a day • Practice math facts and fractions <ul style="list-style-type: none"> ◦ Khan Academy ◦ Xtra Math ◦ If you do not have internet access, complete unfinished problems in your math book • Freckle / Moby Max / Raz Kids • Typing Club • Extra Activities