| UNIT | Lecture Material | Suggested Activities | Suggested Projects/Labs | Additional Resources | | | |
|------|---|---|--|--|--|--|--|
| | Have you water | hed my Introductory Video? View i | t <u>HERE</u> before using thi | is document! :) | | | |
| | Course Proposal (for Admin) | | | | | | |
| | Course Outline | | | | | | |
| | Course Syllabus (for Students) Canva for Educators | | | | | | |
| | Intro/Welcome Presentation | | | Case Studies from Planetary Health Alliance [targeted for all units] | | | |
| | | | | OER Climate Commons [resources for all units] | | | |
| | | | | The Zinn Education Project - Resources [for all units] | | | |
| 1 | Unit 1: Climate change [4-5 weeks] | NOAA: Billion Dollar Weather/Climate Disasters *Note: Info is updated annually, so worksheet may | | NOAA: "What's the Hottest Earth's Ever Been?" | | | |
| | | have to be adjusted slightly. *Teacher Key* Unit 1: Journal Entry #1 | | NASA: Climate Q&A IPCC: FAQs about climate | | | |
| | | NYT Article Discussion: "How Decades of Racist Housing Policies Left Neighborhoods Sweltering" *Teacher Discussion Prompts* Writing activity: Write a letter to a local | | NYT Article: "The Climate Impact of Your Neighborhood, Mapped" NYT Article: "Why Does FEMA | | | |
| | | representative about climate injustice <u>Watch</u> : Netflix documentary " <u>Breaking Boundaries</u> " with Sir David Attenborough w/ <u>Question</u> | Sea Ice and Temperature Lab | Favor White People?" Climate Impact Lab | | | |
| | | worksheet and *Teacher Answer Key* Unit 1: Journal Entry #2 Climate Migrants StoryMap with Worksheet and *Teacher Answer Key* | Sea Level Rise Lab | Data Puzzle Collection | | | |
| | | Unit 1: Journal Entry #3 Read from "All We Can Save" - An Offering From | | All We Can Save - For Educators | | | |
| | | the Bayou [Must purchase book] Using music to convey a message - Activity and question sheet | | | | | |
| | | Unit 1 Quiz and *Teacher Answer Key* | | | | | |
| | | Unit 1: Journal Entry #4 | | \(\tau_{1} \) | | | |
| | | Read from "All We Can Save" - Calling In [Must purchase book] | | Visual reading guide: Calling In (from AWCS) | | | |
| 2 | Unit 2: Changing Land Use/Cover [3-4 weeks] | Unit 2: Journal Entry #1 Deforestation in Amazonia- Asynchronous Guided Inquiry | | Kiss the Ground Movie for Classrooms | | | |
| | | Read from "All We Can Save" - Indigenous Prophecy [Must purchase book] | | | | | |
| | | AWCS: Indigenous Prophecy Reading Quiz Questions w/ *Teacher Answer Key* | | | | | |
| | | Watch Disney's <i>Pocahontas</i> through a critical lens w/ Movie Questions Sheet and *Teacher Answer Key* | | | | | |
| | | National Geographic - Recycle Roundup Game (also on slide 44) | Compost Lab (2-day lab, preferably a weekend between each day) See Lecture slide 48- 49 | BBC: Why Modern Food Lost Its Nutrients | | | |
| | | Unit 2: Journal Entry #2 | | | | | |
| | | Human Composting debate (lecture slides 50-53) | | | | | |
| | | Unit 2 Quiz and *Teacher Answer Key* | | | | | |
| 3 | Biodiversity [3-4 weeks] | Unit 2: Journal Entry #3 Read from "All We Can Save" - Emergent Strategy [Must purchase book] | | Visual reading guide: Emergent Strategy (from AWCS) | | | |
| | | Watch: "Racing Extinction" Documentary w/ Question sheet [Answers included] | Photo Ark Project (see slide 23) | https://www.whatismissing.org/ | | | |
| | | Unit 3: Journal Entry #1 | , | Net Con marrow Come | | | |
| | | Conservation Island Group Activity | | Nat Geo maps: Conserving the Future | | | |
| | | Nat Geo Podcast: "The Frozen Zoo" Read from "All We Can Save" - Loving a Vanishing World [Must purchase book] | | | | | |
| | | Unit 3: Journal Entry #2 | Pond Water Biodiversity Lab with Identification Field Guide | Original Pond Water Investigation Lab from Biology Corner | | | |
| | | Invasive Species Game | | | | | |
| | | Unit 3: Journal Entry #3 | | | | | |
| | | Biodiversity Loss in National Parks | | | | | |

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|---------|--|--|---|--|
| | | Unseen Empire Biodiversity Virtual Game | | |
| | | Unit 3 Quiz and *Teacher Answer Key* | | |
| 4 | Pollution [3-4 weeks] | Meuse Valley Case Study [see lecture slides 19-22] | | River Runner Global |
| | | Unit 4: Journal Entry #1 | | |
| | Ecological Data Collection (Introto Lab) | Watch: Netflix documentary "Tales by Light" Season 3: Children in Need Parts 1-2 wl Question Sheet [Answer Key included] | Marine Debris Tracker Lab Handout (Nat Geo) | |
| | | Unit 4: Journal Entry #2 | Microplastics Lab | |
| | | Ellen MacArthur Foundation: Circular Economy Discussion [see Pollution slides 43-67] | Circular Economy Model Project [see also Pollution slide 68] | Ellen MacArthur Foundation: Circular Economy Courses |
| | | Watch: Wall-E w/ a critical lens and Answer Questions | | Heartland Truly Moving Pictures Complete Guide |
| | | Unit 4: Journal Entry #3 | | |
| | | Coal, Cookies, and Mountaintop Removal Activity w/ "Coal's Deadly Dust" video | | |
| | | Unit 4 Quiz and *Teacher Answer Key* | | |
| 5 | High-Level Wellness [3-4 weeks] | Unit 5: Journal Entry #1 | | |
| | | Read: "Why American Teens Are So Sad" w/ Peardeck Interactive Discussion | | Free sign up/How to Peardeck |
| | | Unit 5: Journal Entry #2 | | |
| | | Create your own Climate Venn Diagram | | |
| | | Read from "All We Can Save" - The Adaptive Mind [Must purchase book] | | |
| | | Ted Talk: How Climate Affects Mental Health | | |
| | | Unit 5: Journal Entry #3 | | |
| | | Watch: The Bully (2011) - Documentary | | The Bully Project - Resources |
| | | Empathy-building Excercise | | |
| | | Thingamabob Game: Climate vs. Capitalism | | |
| | | Read from "All We Can Save" - A Green New Deal For All of Us [Must purchase book] | A Green New Deal for Our School Project | Visual reading guide: A Green New Deal For All of Us (from AWCS) |
| | | | Lancet Article Jigsaw Activity w/ *Teacher Answer Key* | |
| | | Read from "All We Can Save" - Onward, p. 371 [Must purchase book] | | |
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