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| **6th Grade Unit 2 E Day 2018-2019 Water Stewardship** | | | |
|  | Blue | Red | Yellow |
| **Week 1:**  **Monday Feb. 4** | **ONSITE LESSONS** | | |
| **Week 2: Wednesday Feb. 13** | **OFFSITE: American Museum of Natural History Unseen Oceans** | **OFFSITE: American Museum of Natural History Unseen Oceans** | **OFFSITE: American Museum of Natural History Unseen Oceans** |
| **Winter Break** | | | |
| **Week 3:**  **Friday Mar. 1** | **ONSITE LESSONS** | | |
| **Week 4:**  **Monday Mar. 11** | **OFFSITE: NY Aquarium** | **OFFSITE: Brooklyn Bridge Park Oyster Cages** | **ONSITE LESSONS** |
| **Week 5: Wednesday**  **Mar. 20** | **ONSITE LESSONS** | **OFFSITE: NY Aquarium** | **OFFSITE: Brooklyn Bridge Park Oyster Cages** |
| **Week 6: Thursday**  **Mar. 28** | **OFFSITE: Brooklyn Bridge Park Oyster Cages** | **OFFSITE: Gowanus Conservancy** | **OFFSITE: NY Aquarium** |
| **Week 7:**  **Friday Apr. 5** | **OFFSITE: Jamaica Bay** | **OFFSITE: Red Hook Oyster Cages** | **OFFSITE: Hudson River Estuary Lab** |
| **Week 8:**  **Monday Apr. 15** | **OFFSITE: Ridgewood Reservoir NYC H2O** | **ONSITE LESSONS** | **OFFSITE: Red Hook Oyster Cages** |
| **Spring Break** | | | |
| **Week 9: Wednesday**  **May 1** | **Math Exam/ ONSITE Afternoon** | | |
| **Week 10: Thursday May 9** | **OFFSITE: Red Hook Oyster Cages** | **OFFSITE: Ridgewood Reservoir NYC H2O** | **OFFSITE: Jamaica Bay** |
| **Week 11:**  **Friday May 17** | **OFFSITE: Dockside Ecology** | **OFFSITE: Jamaica Bay** | **OFFSITE: Ridgewood Reservoir NYC H2O** |
| **Week 12: Tuesday May 28** | **ONSITE LESSONS: Action Plan Final Preparation** | | |
| **Week 13:**  **Friday June 7** | **EXPO Action Plan Share Fair** | | |
| **Week 14: Tuesday**  **June 18** | **Billion Oyster Project Governor's Island** | | |

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| **6th Grade Unit 2 F Day 2018-2019 Water Stewardship** | | | |
|  | Green | Orange | Purple |
| **Week 1: Wednesday Feb. 6** | **ONSITE LESSONS** | | |
| **Week 2: Thursday**  **Feb. 14** | **OFFSITE: American Museum of Natural History Unseen Oceans** | **OFFSITE: American Museum of Natural History Unseen Oceans** | **OFFSITE: American Museum of Natural History Unseen Oceans** |
| **Winter Break** | | | |
| **Week 3:**  **Monday Mar. 4** | **ONSITE LESSONS** | | |
| **Week 4: Tuesday Mar. 12** | **OFFSITE: Brooklyn Bridge Park Oyster Cages** | **ONSITE LESSONS** | **OFFSITE: NY Aquarium** |
| **Week 5: Thursday**  **Mar. 21** | **OFFSITE: NY Aquarium** | **OFFSITE: NY Aquarium** | **OFFSITE: Brooklyn Bridge Park Oyster Cages** |
| **Week 6:**  **Friday Mar. 29** | **ONSITE LESSONS** | **OFFSITE: Brooklyn Bridge Park Oyster Cages** | **OFFSITE: Hudson River Estuary Lab** |
| **Week 7:**  **Monday Apr. 8** | **OFFSITE: Red Hook Oyster Cages** | **OFFSITE: Jamaica Bay** | **ONSITE LESSONS** |
| **Week 8: Tuesday**  **Apr. 16** | **OFFSITE: Gowanus Conservancy** | **OFFSITE: Ridgewood Reservoir NYC H2O** | **OFFSITE: Red Hook Oyster Cages** |
| **Spring Break** | | | |
| **Week 9:**  **Thurs. May 2** | **Math Exam/ ONSITE Afternoon** | | |
| **Week 10:**  **Friday May 10** | **OFFSITE: Jamaica Bay** | **OFFSITE: Hudson River Estuary Lab** | **OFFSITE: Ridgewood Reservoir NYC H2O** |
| **Week 11: Monday**  **May 20** | **OFFSITE: Ridgewood Reservoir NYC H2O** | **OFFSITE: Red Hook Oyster Cages** | **OFFSITE: Jamaica Bay** |
| **Week 12:**  **Wed. May 29** | **ONSITE LESSONS: Action Plan Final Preparation** | | |
| **Week 13: Monday**  **June 10** | **EXPO Action Plan Share Fair** | | |
| **Week 14:**  **Wed. June 19** | **Billion Oyster Project Governor's Island** | | |

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| **BLUE**  **6th Grade Unit 2 E Day 2018-2019 Water Stewardship**  **Unit Essential Question:**  **How can we work to protect and improve our NYC waterways?** | |
|  | **Blue** |
| **Week 1:**  **Monday**  **February 4** | **Community Building Homeroom/Intro to Unit**  **Unseen Oceans Pre-lesson**  **NY Waterways** |
| **Week 2: Wednesday February 13** | **OFFSITE: American Museum of Natural History Unseen Oceans**  **Learning Objective:** With the use of 21st-century technologies like robotics, satellite monitoring, and more, scientists are revealing the unseen habitats of the oceans’ most mysterious animals and mapping remote, inhospitable areas in unprecedented detail. Experience an ocean you never imagined in UNSEEN OCEANS |
| **Winter Break** | |
| **Week 3:**  **Friday**  **March 1** | **Keeping it Clean**  **Intro to Stewardship and Action Plans**  **Essay Writing Post AMNH** |
| **Week 4:**  **Monday**  **March 11** | **OFFSITE: NY Aquarium**  **Learning Objective:** Students will learn about the work being done by researchers at the Aquarium. Students will leave with all the tools and information needed to take action and help protect ocean life around the world! |
| **Week 5: Wednesday**  **March 20** | **Action Plan Planning and Research**  **Species Profile**  **World Water Day** |
| **Week 6: Thursday**  **March 28** | **OFFSITE: Brooklyn Bridge Park Oyster Cages**  **Pre-Lesson: Intro to Billion Oyster Project**  Learning Objective:Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship. |
| **Week 7:**  **Friday**  **April 5** | **\*OFFSITE: Jamaica Bay**  **Pre-Lesson: Intro to Jamaica Bay/Bird Watching and the Atlantic Flyway**  **Learning Objective:** Students will be collecting important data on bird behavior relating to the habitat around them. Data will be used by scientists in monitoring and improving the ecosystem for migrating birds. Students will learn that citizen science, such as observation and data collection, is a form of stewardship. |
| **Week 8:**  **Monday**  **April 15** | **OFFSITE: Ridgewood Reservoir NYC H2O**  **Learning Objective:** Students will visit the historic Ridgewood Reservoir. They will engage in outdoor activities that explain how the reservoir was built and protected. Students will be encouraged to be stewards of our potable water sources and systems. |
| **Spring Break** | |
| **Week 9: Wednesday**  **May 1** | **Math Exam/ ONSITE Afternoon**  **Action Plan Check In #1** |
| **Week 10: Thursday**  **May 9** | **OFFSITE: Red Hook Oyster Cages**  **Learning Objective:** Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship. |
| **Week 11:**  **Friday**  **May 17** | **OFFSITE: Dockside Ecology**  **Learning Objective:** Students will test water quality parameters. They will learn how to use test equipment, collect data and read results. Students will learn how Combined Sewage Overflow (CSO) affects water quality. They will also learn how green infrastructure can lessen CSO and the role of citizen scientists in water stewardship. |
| **Week 12: Tuesday**  **May 28** | **Final Action Plan Reflection and Preparation**  **Plastics Citizen Science**  **EXPO Prep** |
| **Week 13:**  **Friday**  **June 7** | **EXPO Action Plan Share Fair**  **Data Management - BOP and Bird Input** |
| **Week 14: Tuesday**  **June 18** | **Billion Oyster Project Governor's Island**  **Learning Objective:** Students will learn about theBillion Oyster Project (BOP) and their effort to restore a sustainable oyster population to the NY harbor. They will be challenged to participate as water stewards, helping to restore one billion oysters. |

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| **RED**  **6th Grade Unit 2 E Day 2018-2019 Water Stewardship**  **Unit Essential Question:**  **How can we work to protect and improve our NYC waterways?** | |
|  | **Red** |
| **Week 1:**  **Monday**  **February 4** | **Community Building Homeroom/Intro to Unit**  **Unseen Oceans Pre-lesson**  **NY Waterways** |
| **Week 2: Wednesday**  **February 13** | **OFFSITE: American Museum of Natural History Unseen Oceans**  **Learning Objective:** With the use of 21st-century technologies like robotics, satellite monitoring, and more, scientists are revealing the unseen habitats of the oceans’ most mysterious animals and mapping remote, inhospitable areas in unprecedented detail. Experience an ocean you never imagined in UNSEEN OCEANS |
| **Winter Break** | |
| **Week 3:**  **Friday**  **March 1** | **Keeping it Clean**  **Intro to Stewardship and Action Plans**  **Essay Writing Post AMNH** |
| **Week 4:**  **Monday**  **March 11** | **OFFSITE: Brooklyn Bridge Park Oyster Cages**  **Pre-Lesson: Intro to Billion Oyster Project**  Learning Objective:Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship. |
| **Week 5: Wednesday**  **March 20** | **OFFSITE: NY Aquarium**  **Learning Objective:** Students will learn about the work being done by researchers at the Aquarium. Students will leave with all the tools and information needed to take action and help protect ocean life around the world! |
| **Week 6: Thursday**  **March 28** | **OFFSITE: Gowanus Conservancy**  **Learning Objective:** Students will test water quality parameters. They will learn how to use test equipment, collect data and read results. Students will learn how Combined Sewage Overflow (CSO) affects water quality. They will also learn how green infrastructure can lessen CSO and the role of citizen scientists in water stewardship. |
| **Week 7:**  **Friday**  **April 5** | **OFFSITE: Red Hook Oyster Cages**  **Learning Objective:** Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship |
| **Week 8: Monday**  **April 15** | **Action Plan Planning and Research**  **Species Profile**  **World Water Day** |
| **Spring Break** | |
| **Week 9: Wednesday**  **May 1** | **Math Exam/ ONSITE Afternoon**  **Action Plan Check In #1** |
| **Week 10: Thursday**  **May 9** | **OFFSITE: Ridgewood Reservoir NYC H2O**  **Learning Objective:** Students will visit the historic Ridgewood Reservoir. They will engage in outdoor activities that explain how the reservoir was built and protected. Students will be encouraged to be stewards of our potable water sources and systems. |
| **Week 11:**  **Friday**  **May 17** | **\*OFFSITE: Jamaica Bay**  **Pre-Lesson: Intro to Jamaica Bay/Bird Watching and the Atlantic Flyway**  **Learning Objective:** Students will be collecting important data on bird behavior relating to the habitat around them. Data will be used by scientists in monitoring and improving the ecosystem for migrating birds. Students will learn that citizen science, such as observation and data collection, is a form of stewardship |
| **Week 12: Tuesday**  **May 28** | **Final Action Plan Reflection and Preparation**  **Plastics Citizen Science**  **EXPO Prep** |
| **Week 13:**  **Friday**  **June 7** | **EXPO Action Plan Share Fair**  **Data Management - BOP and Bird Input** |
| **Week 14: Tuesday**  **June 18** | **Billion Oyster Project Governor's Island**  **Learning Objective:** Students will learn about theBillion Oyster Project (BOP) and their effort to restore a sustainable oyster population to the NY harbor. They will be challenged to participate as water stewards, helping to restore one billion oysters. |

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| **YELLOW**  **6th Grade Unit 2 E Day 2018-2019 Water Stewardship**  **Unit Essential Question:**  **How can we work to protect and improve our NYC waterways?** | |
|  | **Yellow** |
| **Week 1:**  **Monday**  **February 4** | **Community Building Homeroom/Intro to Unit**  **Unseen Oceans Pre-lesson**  **NY Waterways** |
| **Week 2: Wednesday February 13** | **OFFSITE: American Museum of Natural History Unseen Oceans**  **Learning Objective:** With the use of 21st-century technologies like robotics, satellite monitoring, and more, scientists are revealing the unseen habitats of the oceans’ most mysterious animals and mapping remote, inhospitable areas in unprecedented detail. Experience an ocean you never imagined in UNSEEN OCEANS |
| **Winter Break** | |
| **Week 3:**  **Friday**  **March 1** | **Keeping it Clean**  **Intro to Stewardship and Action Plans**  **Essay Writing Post AMNH** |
| **Week 4:**  **Monday**  **March 11** | **Action Plan Planning and Research**  **Species Profile**  **World Water Day** |
| **Week 5: Wednesday**  **March 20** | **OFFSITE: Brooklyn Bridge Park Oyster Cages**  **Pre-Lesson: Intro to Billion Oyster Project**  Learning Objective:Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship. |
| **Week 6: Thursday**  **March 28** | **OFFSITE: NY Aquarium**  **Learning Objective:** Students will learn about the work being done by researchers at the Aquarium. Students will leave with all the tools and information needed to take action and help protect ocean life around the world! |
| **Week 7:**  **Friday**  **April 5** | **OFFSITE: Hudson River Estuary Lab**  **Learning Objective:** Students will test water quality parameters. They will learn how to use test equipment, collect data and read results. Students will learn how Combined Sewage Overflow (CSO) affects water quality. They will also learn how green infrastructure can lessen CSO and the role of citizen scientists in water stewardship. |
| **Week 8:**  **Monday**  **April 15** | **OFFSITE: Red Hook Oyster Cages**  **Learning Objective:** Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship**.** |
| **Spring Break** | |
| **Week 9: Wednesday**  **May 1** | **Math Exam/ ONSITE Afternoon**  **Action Plan Check In #1** |
| **Week 10: Thursday**  **May 9** | **\*OFFSITE: Jamaica Bay**  **Pre-Lesson: Intro to Jamaica Bay/Bird Watching and the Atlantic Flyway**  **Learning Objective:** Students will be collecting important data on bird behavior relating to the habitat around them. Data will be used by scientists in monitoring and improving the ecosystem for migrating birds. Students will learn that citizen science, such as observation and data collection, is a form of stewardship |
| **Week 11:**  **Friday**  **May 17** | **OFFSITE: Ridgewood Reservoir NYC H2O**  **Learning Objective:** Students will visit the historic Ridgewood Reservoir. They will engage in outdoor activities that explain how the reservoir was built and protected. Students will be encouraged to be stewards of our potable water sources and systems. |
| **Week 12: Tuesday**  **May 28** | **Final Action Plan Reflection and Preparation**  **Plastics Citizen Science**  **EXPO Prep** |
| **Week 13:**  **Friday**  **June 7** | **EXPO Action Plan Share Fair**  **Data Management - BOP and Bird Input** |
| **Week 14: Tuesday**  **June 18** | **Billion Oyster Project Governor's Island**  **Learning Objective:** Students will learn about theBillion Oyster Project (BOP) and their effort to restore a sustainable oyster population to the NY harbor. They will be challenged to participate as water stewards, helping to restore one billion oysters. |

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| **GREEN**  **6th Grade Unit 2 E Day 2018-2019 Water Stewardship**  **Unit Essential Question:**  **How can we work to protect and improve our NYC waterways?** | |
|  | **Green** |
| **Week 1: Wednesday February 6** | **Community Building Homeroom/Intro to Unit**  **Unseen Oceans Pre-lesson**  **NY Waterways** |
| **Week 2: Thursday**  **February 14** | **OFFSITE: American Museum of Natural History Unseen Oceans**  **Learning Objective:** With the use of 21st-century technologies like robotics, satellite monitoring, and more, scientists are revealing the unseen habitats of the oceans’ most mysterious animals and mapping remote, inhospitable areas in unprecedented detail. Experience an ocean you never imagined in UNSEEN OCEANS |
| **Winter Break** | |
| **Week 3:**  **Monday**  **March 4** | **Keeping it Clean**  **Intro to Stewardship and Action Plans**  **Essay Writing Post AMNH** |
| **Week 4: Tuesday**  **March 12** | **OFFSITE: Brooklyn Bridge Park Oyster Cages**  **Pre-Lesson: Intro to Billion Oyster Project**  Learning Objective:Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship. |
| **Week 5: Thursday**  **March 21** | **OFFSITE: NY Aquarium**  **Learning Objective:** Students will learn about the work being done by researchers at the Aquarium. Students will leave with all the tools and information needed to take action and help protect ocean life around the world! |
| **Week 6:**  **Friday**  **March 29** | **Action Plan Planning and Research**  **Species Profile**  **World Water Day** |
| **Week 7:**  **Monday**  **April 8** | **OFFSITE: Red Hook Oyster Cages**  **Learning Objective:** Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship |
| **Week 8: Tuesday**  **April 16** | **OFFSITE: Gowanus Conservancy**  **Learning Objective:** Students will test water quality parameters. They will learn how to use test equipment, collect data and read results. Students will learn how Combined Sewage Overflow (CSO) affects water quality. They will also learn how green infrastructure can lessen CSO and the role of citizen scientists in water stewardship. |
| **Spring Break** | |
| **Week 9: Wednesday**  **May 1** | **Math Exam/ ONSITE Afternoon**  **Action Plan Check In #1** |
| **Week 10:**  **Friday**  **May 10** | **OFFSITE: Jamaica Bay**  **Pre-Lesson: Intro to Jamaica Bay/Bird Watching and the Atlantic Flyway**  **Learning Objective:** Students will be collecting important data on bird behavior relating to the habitat around them. Data will be used by scientists in monitoring and improving the ecosystem for migrating birds. Students will learn that citizen science, such as observation and data collection, is a form of stewardship |
| **Week 11: Monday**  **May 20** | **OFFSITE: Ridgewood Reservoir NYC H2O**  **Learning Objective:** Students will visit the historic Ridgewood Reservoir. They will engage in outdoor activities that explain how the reservoir was built and protected. Students will be encouraged to be stewards of our potable water sources and systems. |
| **Week 12:**  **Wednesday May 29** | **Final Action Plan Reflection and Preparation**  **Spring Cleaning/Gardening**  **EXPO Prep** |
| **Week 13: Monday**  **June 10** | **EXPO Action Plan Share Fair**  **Data Management - BOP and Bird Input** |
| **Week 14:**  **Wednesday June 19** | **Billion Oyster Project Governor's Island**  **Learning Objective:** Students will learn about theBillion Oyster Project (BOP) and their effort to restore a sustainable oyster population to the NY harbor. They will be challenged to participate as water stewards, helping to restore one billion oysters. |

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| **ORANGE**  **6th Grade Unit 2 E Day 2018-2019 Water Stewardship**  **Unit Essential Question:**  **How can we work to protect and improve our NYC waterways?** | |
|  | **Orange** |
| **Week 1: Wednesday February 6** | **Community Building Homeroom/Intro to Unit**  **Unseen Oceans Pre-lesson**  **NY Waterways** |
| **Week 2: Thursday**  **February 14** | **OFFSITE: American Museum of Natural History Unseen Oceans**  **Learning Objective:** With the use of 21st-century technologies like robotics, satellite monitoring, and more, scientists are revealing the unseen habitats of the oceans’ most mysterious animals and mapping remote, inhospitable areas in unprecedented detail. Experience an ocean you never imagined in UNSEEN OCEANS |
| **Winter Break** | |
| **Week 3:**  **Monday**  **March 4** | **Keeping it Clean**  **Intro to Stewardship and Action Plans**  **Essay Writing Post AMNH** |
| **Week 4: Tuesday**  **March 12** | **Action Plan Planning and Research**  **Species Profile**  **World Water Day** |
| **Week 5: Thursday**  **March 21** | **OFFSITE: NY Aquarium**  **Learning Objective:** Students will learn about the work being done by researchers at the Aquarium. Students will leave with all the tools and information needed to take action and help protect ocean life around the world! |
| **Week 6:**  **Friday**  **March 29** | **OFFSITE: Brooklyn Bridge Park Oyster Cages**  **Pre-Lesson: Intro to Billion Oyster Project**  Learning Objective:Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship. |
| **Week 7:**  **Monday**  **April 8** | **OFFSITE: Jamaica Bay**  **Pre-Lesson: Intro to Jamaica Bay/Bird Watching and the Atlantic Flyway**  **Learning Objective:** Students will be collecting important data on bird behavior relating to the habitat around them. Data will be used by scientists in monitoring and improving the ecosystem for migrating birds. Students will learn that citizen science, such as observation and data collection, is a form of stewardship. |
| **Week 8: Tuesday**  **April 16** | **OFFSITE: Ridgewood Reservoir NYC H2O**  **Learning Objective:** Students will visit the historic Ridgewood Reservoir. They will engage in outdoor activities that explain how the reservoir was built and protected. Students will be encouraged to be stewards of our potable water sources and systems. |
| **Spring Break** | |
| **Week 9: Wednesday**  **May 1** | **Math Exam/ ONSITE Afternoon**  **Action Plan Check In #1** |
| **Week 10:**  **Friday**  **May 10** | **OFFSITE: Hudson River Estuary Lab**  **Learning Objective:** Students will test water quality parameters. They will learn how to use test equipment, collect data and read results. Studener quality. They will also learn how green infrastructure can lessen CSO and the role of citizen scientists in water stewardship. |
| **Week 11: Monday**  **May 20** | **OFFSITE: Red Hook Oyster Cages**  **Learning Objective:** Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship |
| **Week 12:**  **Wednesday May 29** | **Final Action Plan Reflection and Preparation**  **Plastics Citizen Science**  **EXPO Prep** |
| **Week 13: Monday**  **June 10** | **EXPO Action Plan Share Fair**  **Data Management - BOP and Bird Input** |
| **Week 14:**  **Wednesday June 19** | **Billion Oyster Project Governor's Island**  **Learning Objective:** Students will learn about theBillion Oyster Project (BOP) and their effort to restore a sustainable oyster population to the NY harbor. They will be challenged to participate as water stewards, helping to restore one billion oysters. |

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| **PURPLE**  **6th Grade Unit 2 E Day 2018-2019 Water Stewardship**  **Unit Essential Question:**  **How can we work to protect and improve our NYC waterways?** | |
|  | **Purple** |
| **Week 1: Wednesday February 6** | **Community Building Homeroom/Intro to Unit**  **Unseen Oceans Pre-lesson**  **NY Waterways** |
| **Week 2: Thursday**  **February 14** | **OFFSITE: American Museum of Natural History Unseen Oceans**  **Learning Objective:** With the use of 21st-century technologies like robotics, satellite monitoring, and more, scientists are revealing the unseen habitats of the oceans’ most mysterious animals and mapping remote, inhospitable areas in unprecedented detail. Experience an ocean you never imagined in UNSEEN OCEANS |
| **Winter Break** | |
| **Week 3:**  **Monday**  **March 4** | **Keeping it Clean**  **Intro to Stewardship and Action Plans**  **Essay Writing Post AMNH** |
| **Week 4: Tuesday March 12** | **OFFSITE: NY Aquarium**  **Learning Objective:** Students will learn about the work being done by researchers at the Aquarium. Students will leave with all the tools and information needed to take action and help protect ocean life around the world! |
| **Week 5: Thursday**  **March 21** | **OFFSITE: Brooklyn Bridge Park Oyster Cages**  **Pre-Lesson: Intro to Billion Oyster Project**  Learning Objective:Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship. |
| **Week 6:**  **Friday**  **March 29** | **OFFSITE: Hudson River Estuary Lab**  **Learning Objective:** Students will test water quality parameters. They will learn how to use test equipment, collect data and read results. Students will learn how Combined Sewage Overflow (CSO) affects water quality. They will also learn how green infrastructure can lessen CSO and the role of citizen scientists in water stewardship |
| **Week 7:**  **Monday**  **April 8** | **Action Plan Planning and Research**  **Species Profile**  **World Water Day** |
| **Week 8: Tuesday**  **April 16** | **OFFSITE: Red Hook Oyster Cages**  **Learning Objective:** Students will monitor oysters and collect scientific data on water quality, oyster growth, and biodiversity. Students will learn the role of citizen scientists in water stewardship  . |
| **Spring Break** | |
| **Week 9: Wednesday**  **May 1** | **Math Exam/ ONSITE Afternoon**  **Action Plan Check In #1** |
| **Week 10:**  **Friday**  **May 10** | **OFFSITE: Ridgewood Reservoir NYC H2O**  **Learning Objective:** Students will visit the historic Ridgewood Reservoir. They will engage in outdoor activities that explain how the reservoir was built and protected. Students will be encouraged to be stewards of our potable water sources and systems. |
| **Week 11: Monday**  **May 20** | **\*OFFSITE: Jamaica Bay**  **Pre-Lesson: Intro to Jamaica Bay/Bird Watching and the Atlantic Flyway**  **Learning Objective:** Students will be collecting important data on bird behavior relating to the habitat around them. Data will be used by scientists in monitoring and improving the ecosystem for migrating birds. Students will learn that citizen science, such as observation and data collection, is a form of stewardship |
| **Week 12:**  **Wednesday May 29** | **Final Action Plan Reflection and Preparation**  **Plastics Citizen Science**  **EXPO Prep** |
| **Week 13: Monday**  **June 10** | **EXPO Action Plan Share Fair**  **Data Management - BOP and Bird Input** |
| **Week 14:**  **Wednesday June 19** | **Billion Oyster Project Governor's Island**  **Learning Objective:** Students will learn about theBillion Oyster Project (BOP) and their effort to restore a sustainable oyster population to the NY harbor. They will be challenged to participate as water stewards, helping to restore one billion oysters. |