

#### **Outdoor Education & Adventure Activities**

Learning outside the classroom with our Outdoor Education and Adventure Activities programs provides an alternative, meaningful experience to that of the classroom that augments the important curriculum already taught in schools. In these programs, students will engage in hands-on, engaging activities that expand their learning in a whole new light under the umbrella of play and exploration. Teachers will be supplied with applicable lessons that have direct connections back to classroom learning. These programs strive to reach diverse learners who benefit from experiencing their education. Below is a sampling of curriculum-adjacent activities offered during field trip excursions. All programs can be adapted to better suit the needs of the group, and Onset Bay Center is committed to providing a holistic educational experience to all types of learners.

K-2 Earth Science / Life Science, K-5 Multiple, K-8 Multiple (some include a ferry ride)

**Additional Watersport Option** 

3-5 Earth Science / Life Science, K-5 Multiple, K-8 Multiple, 3-8 STEM (some include a ferry ride)

Additional Watersport Option

6-8 Life Science, K-8 Multiple, 3-8 STEM (some include a ferry ride)

Additional Watersport Option

9-12 Earth Science (some include a ferry ride)

Additional WaterSport Option

Each activity runs 90 minutes. Choose one for a shorter field trip, or two to spend more time on the bay. Trip schedules can be flexible to include lunch or snack breaks or general beach play. and exploration at the discretion of trip organizers. Activity offerings are varied and can be altered to better suit the needs of your group! Activities are intentionally designed for students in grades K-12, and can be adapted to accommodate most learning and mobility differences. All are welcome!

About Buzzards Bay Coalition and Onset Bay Center:

Founded in 1987, Buzzards Bay Coalition is a nonprofit organization dedicated to the restoration, protection and sustainable use and enjoyment of Buzzards Bay and its watershed. The Coalition works to improve the health of the Bay ecosystem through education, conservation, research, and advocacy. Onset Bay Center provides high-quality, on-the-water and around-the-bay programs that engage people of all ages in a wide range of outdoor activities and educational programs focused on building a connection and sense of stewardship toward Buzzards Bay. OBC maintains public access to Wickets Island and is dedicated to the upkeep and protection of the Island. BBC also owns land and conservation rights on parts of Burgess Point for private BBC programs and use.

# K-2 Earth Science / Life Science, K-5 Multiple, K-8 Multiple (some include a ferry ride)

# Additional Watersport Option

Grade Level	Program Name	Description	Key Concepts	Curriculum Connection	Location Options
K-2	Watershed Warriors	What is a watershed, and why is it important? Learn the role humans play in maintaining a healthy watershed through engaging experiments testing water quality, exploring different aspects of the bay and bay health, and discovering the ways that humans and water interact.		K-ESS2-1, K-ESS2-2, 2- ESS2-3, 2-PS1-1	Onset Bay Center and Onset Beach
K-2	Island	Travel to and learn about the history of Wickets Island - the Jewel on Onset Bay- how it was made, how humans and weather have affected it over time, and how this affects life within this area through an engaging group adventure.	wind/water moves earth to	K-ESS2-1, K-ESS2-2, 2- ESS2-3, 2-PS1-1	Ferry Ride Set Sail: To Wickets Island
K-2		Bay, as we work to answer the questions: What lives on our coastal beaches? How are they related? How do humans impact the beach and	adaptations, plant/animal parts comparisons between and within kind;	K-LS1-1, K-LS1-2(MA), K- PS3-1, 1-LS1-1, 1-LS3-1, 2- LS4-1	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point or Wickets Island
K-2	Have to Have a	to many different species. Discover the animals that live there and learn what makes a good habitat for each, and how these plants and animals live, survive, and adapt in their		K-LS1-1, K-LS1-2(MA), K- PS3-1, 1-LS1-1, 1-LS3-1, 2- LS4-1	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point

		Explore the shore and learn about the	Life Science Focus:	K-LS1-1,	
K-2	Down by the Bay			K-LS1-2(MA), K- PS3-1, 1-LS1-1, 1-LS3-1, 2- LS4-1	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point or Wickets Island
K-2	Shellfishing by the Sea Shore	Bay, as we work to answer the questions: What shellfish live on our coastal beaches? How are they related? How do humans impact	Life Science Focus: adaptations, plant/animal parts comparisons between and within kind; habitats and basic needs; biodiversity (within and between areas); classification/observation.	K-LS1-1, K-LS1-2(MA), K- PS3-1, 1-LS1-1, 1-LS3-1, 2- LS4-1	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point
K-2	Winter Wonderland	How do animals that live here adapt and survive throughout the changing seasons? Explore their habitats, characteristics, and adaptations that prepare them for their environment.	Life Science Focus: adaptations, plant/animal parts comparisons between and within kind; habitats and basic needs; biodiversity (within and between areas); classification/observation.	K-LS1-1, K-LS1-2(MA), K- PS3-1, 1-LS1-1, 1-LS3-1, 2- LS4-1	Onset Bay Center and Onset Beach
K-5		Explore the coast line which is home to many different species. Discover how these plants and animals live, survive, and adapt in their habitats. Put yourself in their place, and see what it takes to survive and thrive in a coastal environment. Build and test your own shelter-building skills alongside your peers through hands-on, collaborative activities.	Habitats and basic needs, niches, adaptation, food webs  5 senses, habitats and basic needs, biodiversity	K-ESS2-2, 1-LS1-1, 2-LS2- K-ESS2-1, K-ESS2-2, K-LS1- 1, K-LS1-2(MA), 1-LS1-1, 2- LS2-3, 2-LS4-1	Ferry Ride Set Sail: To Burgess Point
K-5	Five Senses Detectives	See the beach and the bay in a whole new way! Engage your five senses to better understand the coastal habitat around you through different perspectives. Discover how animals that live here use their senses to navigate their world.	Habitats and basic needs, niches, adaptation, food webs, five senses, biodiversity (within and between areas), classification/observation.	K-ESS2-2, 1-LS1-1, 2-LS2- K-ESS2-1, K-ESS2-2, K-LS1- 1, K-LS1-2(MA), 1-LS1-1, 2- LS2-3, 2-LS4-1	Onset Bay Center and Onset Beach

K-5		habitats around us work together to create a food web ecosystem. Brainstorm ways we, as humans, affect the web, and how these potential problems might	niches, adaptation, food	K-ESS2-2, 1-LS1-1, 2-LS2- K-ESS2-1, K-ESS2-2, K-LS1- 1, K-LS1-2(MA), 1-LS1-1, 2- LS2-3, 2-LS4-1	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point or WicketsIsland
K-8	Ahoy, Matey!	media, people who navigated the sea spoke to each other using different forms of communication. Learn the	Transportation systems and subsystems, maritime history, marine archaeology, erosion and weathering, coastal change	2-ESS2-4	Onset Bay Center and Onset Beach
K-2	Set Sail	learn the basics of sailing on the sea, help skipper the boat, take in the	Practice collaboration, physical exercise, on-the-water decision making, and sailing and seamanship skills		

### 3-5 Earth Science / Life Science, K-5 Multiple, K-8 Multiple, 3-8 STEM (some include a ferry ride)

### Additional Watersport Option

Grade Level	Program Name	Description	Key Concepts	Curriculum Connection	Location Options
3-5	Have to Have a Habitat	Explore the coast line which is home to many different species. Discover the animals that live there and learn what makes a good habitat for each, and how these plants and animals live, survive, and adapt in their habitats.	Earth science focus: long term erosion/deposition; watershed and water cycle; marsh as a water filter	3-ESS2-1, 4-ESS1-1, 5-ESS2-1, 5-ESS3-2 (MA)	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point
3-5	Watershed Warriors	What is a watershed, and why is it important? Learn the role humans play in maintaining a healthy watershed through engaging experiments testing water quality, exploring different aspects of the bay and bay health, and discovering the ways that humans and water interact.	Earth science focus: long term erosion/deposition; watershed and water cycle; marsh as a water filter	3-ESS2-1, 4-ESS1-1, 5-ESS2-1, 5-ESS3-2 (MA)	Onset Bay Center and Onset Beach
3-5	Wickets Island Treasure Adventure	Travel to and learn about the history of Wickets Island - the Jewel on Onset Bay- how it was made, how humans and weather have affected it over time, and how this affects life within this area through an engaging group adventure.	Earth science focus: long term erosion/deposition; watershed and water cycle; marsh as a water filter	3-ESS2-1, 4-ESS1-1, 5-ESS2-1, 5-ESS3-2 (MA)	Ferry Ride  Set Sail: To Wickets  Island
3-5	Seaside Scavenger Hunt	Use your 5 senses and a little imagination as you participate in an interactive scavenger hunt at the beach! Find some things you know, discover things you've never seen before, and stretch your understanding of everything that coastal environments have to offer.	Earth science focus: long term erosion/deposition; watershed and water cycle; marsh as a water filter	3-ESS2-1, 4-ESS1-1, 5-ESS2-1, 5-ESS3-2 (MA)	Onset Bay Center and Onset Beach

3-5	Habitats and Homes	Explore the coast line which is home to many different species. Discover how these plants and animals live, survive, and adapt in their habitats. Put yourself in their place, and see what it takes to survive and thrive in a coastal environment. Build and test your own shelter-building skills alongside your peers through hands-on, collaborative activities.	Earth science focus: long term erosion/deposition; watershed and water cycle; marsh as a water filter	3-ESS2-1, 4-ESS1-1, 5-ESS2-1, 5-ESS3-2 (MA)	Ferry Ride  Set Sail: To Burgess  Point
3-5	Bay Explorers	Water is so important to life and affects everything around us. But how much do we really know about the water in our bay? Through hands-on activities, learn about the properties of water, conduct experiments to test water quality, and become more familiar with your local bay.	Earth science focus: long term erosion/deposition; watershed and water cycle; marsh as a water filter	3-ESS2-1, 4-ESS1-1, 5-ESS2-1, 5-ESS3-2 (MA)	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point
3-5	Under the Sea	Explore the shore and learn about the animals that live in and around Onset Bay, as we work to answer the questions: What lives on our coastal beaches? How are they related? How do humans impact the beach and marine life? Through fishing and crabbing activities, experience these amazing creatures for yourself!	Life science focus: characteristics inherited vs from environment; niches (effects of change in environment); adaptation (plant/animal structures support survival); food webs	3-LS4-2, 3-LS4-3, 3-LS4-4, 4-LS1-1, 5-LS2-1, 5-PS3-1	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point or Wickets Island
3-5	Down by the Bay	Explore the shore and learn about the animals that live in and around Onset Bay, as we work to answer the questions: What lives on our coastal beaches? How do these creatures survive and adapt? How are they related? How do humans impact the beach and marine life?	Life science focus: characteristics inherited vs from environment; niches (effects of change in environment); adaptation (plant/animal structures support survival); food webs	3-LS4-2, 3-LS4-3, 3-LS4-4, 4-LS1-1, 5-LS2-1, 5-PS3-1	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point or WicketsIsland

3-5	Shellfishing by the Sea Shore	Explore the shore and learn about the animals that live in and around Onset Bay, as we work to answer the questions: What shellfish live on our coastal beaches? How are they related? How do humans impact shellfish? Practice harvesting shellfish and compare and contrast their similarities and differences.	Life science focus: characteristics inherited vs from environment; niches (effects of change in environment); adaptation (plant/animal structures support survival); food webs	3-LS4-2, 3-LS4-3, 3-LS4-4, 4-LS1-1, 5-LS2-1, 5-PS3-1	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point
3-5	Winter Wonderland	How do animals that live here adapt and survive throughout the changing seasons? Explore their habitats, characteristics, and adaptations that prepare them for their environment.	Life science focus: characteristics inherited vs from environment; niches (effects of change in environment); adaptation (plant/animal structures support survival); food webs	3-LS4-2, 3-LS4-3, 3-LS4-4, 4-LS1-1, 5-LS2-1, 5-PS3-1	Onset Bay Center and Onset Beach
3-5	Food Web	Explore the way plants, animals, and habitats around us work together to create a food web ecosystem.  Brainstorm ways we, as humans, affect the web, and how these potential problems might affect every member of the food web.	Life cycles, adaptations, tides, invasive species, food webs	3-LS1-1, 3-LS3-2, 3-LS4-3, 3-LS4-4, 4-LS1-1, 5-LS2-1	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point or WicketsIsland
3-8	STEM Challenges	Dive into science technology and engineering on the beach and on the bay! STEM Activity Options include: Boat building (small scale), Zipline construction, kites and wind experiments, STEM sand creations, or nature art activities.	Analyze and compare properties of different building materials. Identify a simple program, provide potential solutions, design a prototype solution, and test for effectiveness.	3- ETS1-1, ETS1-2, ETS 1-4 4- ETS1-3 ETS1-5 5-ETS3-2	Onset Bay Center and Onset Beach
K-5	Five Senses Detectives	See the beach and the bay in a whole new way! Engage your five senses to better understand the coastal habitat around you through different perspectives. Discover how animals here use their senses to navigate their world.	Habitats and basic needs, niches, adaptation, food webs  5 senses, habitats and basic needs, biodiversity (within and between areas), classification/observation	3(MA), 3-LS1-1, 3-LS3-2, 3- LS4-3, 3-LS4-4, 4-LS1-1, 5- LS2-1	Onset Bay Center and Onset Beach

К-8	Ahoy, Matey!	Long before cell phones and social media, people who navigated the sea spoke to each other using different forms of communication.  Learn the language of flags, code messages, and work to understand the importance and challenges of transportation on the sea.	Transportation systems and subsystems, maritime history, marine archaeology, erosion and weathering, coastal change	4-ESS1-1, 4- ESS2-1,	Onset Bay Center and Onset Beach
3-5	Set Sail	Aboard the Drascombe Gig sailboat, learn the basics of sailing on the sea, help skipper the boat, take in the scenes all around the bay, and engage in fun activities while sailing. Pair this sailboat ride with any of the land-based adventures as your mode of transportation to Burgess Point or Wickets Island.  (September-November, March-June only, weather dependent)	Practice collaboration, physical exercise, on-the-water decision making, and sailing and seamanship skills		

### 6-8 Life Science, K-8 Multiple, 3-8 STEM (some include a ferry ride)

### Additional Watersport Option

Grade Level	Program Name	Description	Key Concepts	Curriculum Connection	Location Options
6-8	Under the Sea	Explore the shore and learn about the animals that live in and around Onset Bay, as we work to answer the questions: What lives on our coastal beaches? How are they related? How do humans impact the beach and marine life? Through fishing and crabbing activities, experience these amazing creatures for yourself!	Life Science: adaptations lead to reproductive success, interspecies interactions, Disturbance impacts biodiversity, ecosystem services ES: coastal change, water cycle, weather, tides	7MS-LS1-4, 7MS-LS2-1, 7MS-LS2-2, 7MS-LS2-3, 7MS-LS2-4, 8MS-ESS2-5, 8MS-ESS2-6, 8MS-LS1-5, 8MS-LS3-2	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point or Wickets Island
6-8	Shellfishing by the Sea Shore	Explore the shore and learn about the animals that live in and around Onset Bay, as we work to answer the questions: What shellfish live on our coastal beaches? How are they related? How do humans impact shellfish? Practice harvesting shellfish and compare and contrast their similarities and differences.	Life Science: adaptations lead to reproductive success, interspecies interactions, Disturbance impacts biodiversity, ecosystem services ES: coastal change, water cycle, weather, tides	7MS-LS1-4, 7MS-LS2-1, 7MS-LS2-2, 7MS-LS2-3, 7MS-LS2-4, 8MS-ESS2-5, 8MS-ESS2-6, 8MS-LS1-5, 8MS-LS1-5,	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point
6-8	Bay Explorers	Water is so important to life and affects everything around us. But how much do we really know about the water in our bay? Through hands-on activities, learn about the properties of water, conduct experiments to test water quality, and become more familiar with your local bay.	Life Science: adaptations lead to reproductive success, interspecies interactions, Disturbance impacts biodiversity, ecosystem services ES: coastal change, water cycle, weather, tides	7MS-LS1-4, 7MS-LS2-1, 7MS-LS2-2, 7MS-LS2-3, 7MS-LS2-4, 7MS-ESS2-2, 7MS-ESS3-4, 8MS-ESS2-5, 8MS-ESS2-6, 8MS-LS1-5, 8MS-LS3-2	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point
6-8	Weather Watchers	Discover ways that wind and weather affect the coast and sea life. Track weather patterns, see how the land and water have changed over time, and demonstrate your understanding through engaging hands-on activities.	Life Science: adaptations lead to reproductive success, interspecies interactions, Disturbance impacts biodiversity, ecosystem services ES: coastal change, water cycle, weather, tides. 8MS-ESS2-6, 8MS-LS1-5, LS3-2	7MS-LS1-4, 7MS-LS2-1, 7MS-LS2-2, 7MS-LS2-3, 7MS-LS2-4, 7MS-ESS2-2, 7MS-ESS3-4, 8MS-ESS2-5,	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Wickets Island

6-8	Team Building Challenges	Learn how to work more effectively as a high-functioning team. Hone leadership skills, and practice the way your group communicates.	Social/emotional development. Team building, cooperative learning, leadership development, decision-making skills.		Onset Bay Center and Onset Beach
6-8	Wickets Island Adventure	Travel to and learn about the history of Wickets Island - the Jewel on Onset Bay- how it was made, how humans and weather have affected it over time, and how this affects life within this area through an engaging group adventure.	Coastal change, habitat restoration, resource management, ecosystem services, community science, field ecology methods/tools	7-MS-ESS2-2 7-MS-ESS3-4 7-MS-LS2-5 8.MS-ESS3-5	Ferry Ride  Set Sail: To Wickets Island
6-8	The Sea and Me	Take in the beauty of Onset Bay and the coastal habitat through mindful and creative exercises. Map changes in the environment over time, and reflect on the impact humans have had on the environment and the potential positive change we can make.	Social/emotional development. Team building, cooperative learning, leadership development, decision-making skills. Coastal change, habitat restoration, resource management, ecosystem services, community science, field ecology methods/tools		Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Wickets Island
K-8	Ahoy, Matey!	Long before cell phones and social media, people who navigated the sea spoke to each other using different forms of communication. Learn the language of flags, code messages, and work to understand the importance and challenges of transportation on the sea.	Transportation systems and subsystems, maritime history, marine archaeology, erosion and weathering, coastal change	7MS-ESS2-, 7MS-ESS3-4 7MS-ETS3-3 8MS-ESS1-2 8MS-ESS2-1 8MS-ESS2-5, 8MS-ESS2-6	Onset Bay Center and Onset Beach
3-8	STEM Challenges	Dive into science technology and engineering on the beach and on the bay! STEM Activity Options include: Boat building (small scale), Zipline construction, kites and wind experiments, STEM sand creations, or nature art activities.	Analyze and compare properties of different building materials. Identify a simple program, provide potential solutions, design a prototype solution, and test for effectiveness.	6-MS-ETS2-, MS-ETS2-2, MS-ETS2-3 7-MS-ETS1-, MS-ETS3-5 8-MS-ETS2-, MS-ETS2-5	Onset Bay Center and Onset Beach

6-8	Food Web	Explore the way plants, animals, and habitats around us work together to create a food web ecosystem. Brainstorm ways we, as humans, affect the web, and how these potential problems might affect every member of the food web.		6.MS-LS4-1 7-MS-LS1-4 7-MS-LS2-2 7-MS-LS2-4 7-MS-LS2-5 7-MS-LS2-6 8.MS-LS1-5 8-MS-LS4-4 8-MS-LS4-5	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Burgess Point or Wickets Island
6-8	Set Sail	Aboard the Drascombe Gig sailboat, learn the basics of sailing on the sea, help skipper the boat, take in the scenes all around the bay, and engage in fun activities while sailing. Pair this sailboat ride with any of the land-based adventures as your mode of transportation to Burgess Point or Wickets Island.  (September-November, March-June only, weather dependent)	Practice collaboration, physical exercise, on-the-water decision making, and sailing and seamanship skills		
6-8	Paddling Adventure	Learn basic paddling skills from an OBC instructor, and paddle aboard kayaks or paddleboard alongside your peers. Take the short journey to Burgess Point or Wickets Island and discover all that Onset Bay has to offer. Pair this activity with any of the land-based adventures as your mode of transportation to Burgess Point or Wickets Island. (September-October, April-June only, weather dependent)	Practice collaboration, physical exercise, on-the-water decision making, and paddling and seamanship skills		

### 9-12 Earth Science (some include a ferry ride)

# Additional WaterSport Option

Grade Level	Program Name	Description	Key Concepts	Curriculum Connection	Location Options
9-12	Wickets Island Adventure	Travel to and learn about the history of Wickets Island - the Jewel on Onset Bay- how it was made, how humans and weather have affected it over time, and how this affects life within this area through an engaging group adventure.	Coastal change, habitat restoration, resource management, ecosystem services, community science, field ecology methods/tools	HS-LS2-1, HS-LS2-6, HS- LS2-7 HS-ESS2-5, HS-ESS3-3, HS-LS2-6, HS-LS2-7,	Ferry Ride  Set Sail: To Wickets Island
9-12	The Sea and Me	Take in the beauty of Onset Bay and the coastal habitat through mindful and creative exercises.  Map changes in the environment over time, and reflect on the impact humans have had on the environment and the potential positive change we can make.	Coastal change, habitat restoration, resource management, ecosystem services, community science, field ecology methods/tools	HS-LS2-1, HS-LS2-6, HS- LS2-7 HS-ESS2-5, HS-ESS3-3, HS-LS2-6, HS-LS2-7,	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Wickets Island
9-12	Weather Watchers	Discover ways that wind and weather affect the coast and sea life. Track weather patterns, see how the land and water have changed over time, and demonstrate your understanding through engaging hands-on activities.	Coastal change, habitat restoration, resource management, ecosystem services, community science, field ecology methods/tool 'poiuytres	HS-LS2-1, HS-LS2-6, HS- LS2-7 HS-ESS2-5, HS-ESS3-3, HS-LS2-6, HS-LS2-7,	Onset Bay Center and Onset Beach Ferry Ride Set Sail: To Wickets Island
9-12	Team Building Challenges	Learn how to work more effectively as a high-functioning team. Hone leadership skills, and practice the way your group communicates.	Social/emotional development. Team building, cooperative learning, leadership development, decision-making skills.		Onset Bay Center and Onset Beach

9-12	Set Sail	Aboard the Drascombe Gig sailboat, learn the basics of sailing on the sea, help skipper the boat, take in the scenes all around the bay, and engage in fun activities while sailing. Pair this sailboat ride with any of the land-based adventures as your mode of transportation to Burgess Point or Wickets Island.  (September-November, March-June only, weather dependent)	Practice collaboration, physical exercise, on-the-water decision making, and sailing and seamanship skills	
9-12	Paddling Adventure	Learn basic paddling skills from an OBC instructor, and paddle aboard kayaks or paddleboards alongside your peers. Take the short journey to Burgess Point or Wickets Island and discover all that Onset Bay has to offer. Pair this activity with any of the land-based adventures as your mode of transportation to Burgess Point or Wickets Island. (September-October, April-June only, weather dependent)	Practice collaboration, physical exercise, on-the-water decision making, and paddling and seamanship skills	