

Coastal Interpretive Center



The Coastal Interpretive Center Education Programs Catalog

EDUCATION PROGRAM GOAL

Our goal is to educate, excite, inspire, and empower our participants to become passionate explorers of the world around them.

Each program is designed to be meaningful, experiential, and educational and to meet next generation science standards in an informal and fun-filled event. Next Generation STEAM (science, technology, education, art, mathematics) standards supported by field experiences include:

- Analyzing and interpreting data (Mathematics and Technology)
- Using mathematical and computational thinking (Mathematics)
- Constructing explanations and designing experiments (Science, Art, Engineering)
- Engaging in argument from evidence (Science)
- Obtaining, evaluating, and communicating information (Technology, Science, and Art)

Some of our field experiences will provide measurements and data for use in supporting classroom learning. The Coastal Interpretive Center's educational programs may by stand alone or may be used to facilitate formal education based on collaborations with teachers and other educators.

PROGRAMS

Intertidal Explorations

Option 1. Field trips. Field trip experiences include guided tours of the tidal pool areas at Damon's Point. Join us as we explore the biodiversity of these beautiful and fascinating ecosystems.

Grades: All grades.

Next Generation STEAM standards supported by this experience:

- Obtaining, evaluating, and communicating information.

Option 2. School/informal education hybrids. Educators at the Coastal Interpretive Center can create field experiences for your students that compliment classroom learning on marine biology and biodiversity of tidal pools.

Grades: 3-12.

Next Generation STEAM standards supported by field experiences:

- Analyzing and interpreting data and using math and computational thinking to test hypotheses.
- Obtaining, evaluating, and communicating information.

Option 3. Project based STEAM educational experiences. Students and other participants are placed in the lead of inquiry-based projects and conservation action plans related to marine biology and biodiversity of tidal pools.

Grades: 7-12.

Next Generation STEAM standards supported by field experiences, ***in addition to the standards listed above in Options 2 and 3:***

- Constructing explanations and designing experiments.

- Engaging in argument from evidence.

Freshwater Investigations

Option 1. Field trips. Field trip experiences include guided tours of the wetlands and lakes of Ocean Shores. Join us as we investigate the shoreline and underwater worlds of our fresh waterways.

Grades: All grades.

Next Generation STEAM standards supported by field experiences:

- Obtaining, evaluating, and communicating information.

Option 2. School/informal education hybrids. Educators at the Coastal Interpretive Center can create field experiences for your students that compliment classroom learning on freshwater biology and ecology of coastal watersheds including lakes, wetlands, and streams. For example, participants may measure and analyze field components related to classroom discussions.

Grades: 3-12.

Next Generation STEAM standards supported by field experiences:

- Analyzing and interpreting data and using math and computational thinking to test hypotheses.
- Obtaining, evaluating, and communicating information.

Option 3. Project based STEAM educational experiences. Students and other participants are placed in the lead of inquiry-based projects and conservation action plans focused on our coastal watersheds, ecology, and biodiversity.

Grades: 7-12.

Next Generation STEAM standards supported by field experiences, ***in addition to the standards listed above in Options 2 and 3:***

- Constructing explanations and designing experiments.
- Engaging in argument from evidence.

Coastal Forest Discovery

Option 1. Field trips. Field trip experiences include guided tours of the Weatherwax trail and/or the McGee trail located behind the Coastal Interpretive Center. Join us as we discover the mysterious understory and amazing grandeur of coastal forests.

Grades: All grades.

Next Generation STEAM standards supported by field experiences:

- Obtaining, evaluating, and communicating information.

Option 2. School/informal education hybrids. Educators at the Coastal Interpretive Center can create field experiences for your students that compliment classroom learning on coastal forest ecosystems and biodiversity of plants in the Western Washington region.

Grades: 3-12.

Next Generation STEAM standards supported by field experiences:

- Analyzing and interpreting data and using math and computational thinking to test hypotheses.
- Obtaining, evaluating, and communicating information.

Option 3. Project based STEAM educational experiences. Students and other participants are placed in the lead of inquiry-based projects and conservation action plans focused on our coastal forests, ecosystem sciences, and biodiversity of trees, ferns, and other local plants.

Grades: 7-12.

Next Generation STEAM standards supported by field experiences, ***in addition to the standards listed above in Options 2 and 3:***

- Constructing explanations and designing experiments.
- Engaging in argument from evidence.

Interactive Tours

Option 1. Coastal Interpretive Center tours. Tours are fun-filled experiences exploring the regional ecosystems and history of the coast including exhibits on ship wrecks, whales, the NOAA National Marine Sanctuaries, and the history of logging.

Grades: All grades.

Next Generation STEAM standards supported by tour experiences:

- Obtaining, evaluating, and communicating information.

Option 2. School/informal education hybrids. Tours can be modified to fit classroom learning on our local history, ecosystems from the coast to the mountains, bird biodiversity, and geology, including tsunamis and climate change. **Activities** are designed to meet learning needs related to the tours.

Grades: 3-12.

Next Generation STEAM standards supported by tour experiences:

- Constructing explanations.
- Engaging in argument from evidence.
- Obtaining, evaluating, and communicating information.

Combination Programs

Combine any of our field experiences with tours at the Coastal Interpretive Center.

The Coastal Interpretive Center Discovery Programs empower participants to investigate, explore, and discover the natural world and inspire the joy and wonder of nature. Programs may be stand alone or may be combined with interactive tours at the Coastal Interpretive Center.

Mentoring and Independent Studies

Expertise of staff and volunteers at the Coastal Interpretive Center ranges from forest ecology to fish biology and evolution, to stream biological assessment and monitoring. We have helped students in the past with science fair projects, senior theses, independent studies, and internships. Currently we are available to mentor student-lead projects in the following areas:

- Salmon biology and evolution
- Freshwater ecology
- Lake and wetland biodiversity
- Biological assessment and monitoring
- Forest diversity and health
- Forestry
- Entomology or insect ecology

Please contact us for more information.

Cancellation procedures

Inclement weather may diminish the impact of our field experiences. We will contact you within 24 hours of an event to determine whether you still wish to visit the Coastal Interpretive Center with a follow up two hours before the event. If you still visit, then all outdoor educational experiences will be moved indoors if wind gusts exceed 45mph. Although lightning is infrequent in the region, we will follow typical outdoor sports procedures for cancellations due to lightning.

Please feel free to contact us to find out more about our education programs.

For more information about the Coastal Interpretive Center see <https://interpretivecenter.org/>

To contact the Coastal Interpretive Center:

Call 360-289-4617

Email: director@interpretivecenter.org