

COME TAKE AN ADVENTURE WITH US!



Oso Bay
Wetlands
Preserve
& LEARNING CENTER
CORPUS CHRISTI • TEXAS



CORPUS CHRISTI
PARKS &
RECREATION

FIELD TRIP PROGRAMMING GUIDE

Field trips to the Oso Bay Wetlands Preserve serve students from Pre-K through 12th Grade, homeschool and community groups of various ages. Field trips can be scheduled Tuesday through Friday and can last between 1 – 3 hours depending on needs of the group. Field trip groups must have a minimum of 10 students.

# of Students	Price
10-25 students	\$75
26-50 students	\$150
51-75 students	\$225

Teachers select a topic from this booklet and visit our website for a field trip request form. All materials for field trips are provided by the Oso Bay Wetlands Preserve. Students should bring water bottles and appropriate clothing and closed toed shoes that cover heels; no sandals. The preserve also provides pre/post activities for teachers to do in the classroom to enhance the field trip experience.

TEKS listed with each activity are a partial list of TEKS covered and activities often cover additional TEKS not listed.

For more information about field trips or to reserve a time
Contact: Marissa Zaino, Education Coordinator,
MarissaZ@cctexas.com 361-826-3947

For information on other educational and
recreational programs please visit: osopreserve.com

Address: 2446 N. Oso Parkway, Corpus Christi, TX 78414
Phone: 361-826-3335
Building Hours: Monday - Saturday 8:00am - 5:00pm

Preserve Manager - Sara Jose, SaraJ@cctexas.com
Recreation Coordinator - Lauren Piorkowski, LaurenP@cctexas.com

CLASSROOM VISIT INFORMATION

While visiting our preserve is of course the best way to learn about our preserve, we can bring artifacts and activities similar to a field trip to your classroom too. Contact us for pricing and programming.

CUSTOMIZED FIELD TRIP

(Suggested Grades 6th - 12th, science clubs or community groups)

The Education Coordinator can design field trips activities that accommodate groups of mixed ages or specific interests and objectives that are not covered by the previous options.

Possible topics could be, but not limited to:

Water Chemistry of Wetlands, Soil Chemistry, Invertebrate Biology, Historical and Cultural history of the Oso Bay area, Human impacts and changes to local environments, how to use iNaturalist and other nature based apps or specific research objectives of classes or students.

Please contact the Education Coordinator with questions about customized trips.



BIRDING 101

(Suggested Grades 6th - 12th, science clubs or community groups)

Let the Oso Bay Wetlands Preserve staff open your student's eyes to the incredible diversity of bird life on the Texas coast. Students will learn how to identify diverse species of birds and how to use binoculars and field guides as they tour the grounds. Due to migration patterns the date for this trip will determine what species are at the preserve.



The Oso Bay Wetlands Preserve and Learning Center is a 162 acre nature preserve run by the City of Corpus Christi Parks and Recreation Department. Our Mission is to enhance community understanding for the need to preserve the natural resources of coastal ecosystems for future generations through access and education.

HIGH SCHOOL FIELD TRIPS



TRANSECTS

Students will use square meter quadrats in transects to sample and compare different areas of the wetlands preserve. Sites relevant to each course will be selected, wetland sites for aquatic science, reclamation sites for environmental science, etc.

Suggested Course: Aquatic Science, Biology, Environmental Science

Science TEKS: AS.9A, AS.10A, B.11B, B.12B, E.2G, E.4A, E.9E

FIELD TRIP TO A WETLAND (TEXAS AQUATIC SCIENCE)

Students will complete the activities from the Texas Aquatic Science Curriculum Guide (texasaquaticscience.org) for Chapter 10 Field Trip to a Wetland. Activities will include soil and water testing, macroinvertebrate sampling and analysis and examination of plant adaptations.

Suggested Course: Aquatic Science

Science TEKS: 6.1 A, B; 6.2 A, C, D, E; 6.4 A, B; 6.12 E, 7.1 A, B; 7.2 A, C, D, E; 7.4 A, B; 7.5 A, B; 7.8 C; 7.10 A; 7.11 A;

7.13 A, B, 8.1 A, B; 8.2 A, C, D, E; 8.4 A, B; 8.11 A, B, C

High School TEKS: Aquatic Science: 1 A, B; 2 E, F, G, J; 3 E;

5 C D; 7 C; 9 C; 10 A, B; 11 A, B; 12 A, B, D

Environmental Systems: 1 A, B; 2 E, F, G, H, K; 3 B, E; 4 A, B, E; 5 B; 6 E; 7 D





SORTING & CLASSIFICATION

(Suggested Grades PK- 1st)

Students will practice sorting items into different classifications based on properties and become familiar with grade-appropriate classification of organisms. This program includes a tour through the property practicing sorting and classifying natural items such as rocks, shells, plants and wildlife and may also include a game, indoor sorting activity or lab activity that demonstrates basic classification.

Science TEKS:: PreK VI.A.1, PreK VI.B.1, 1.2, 1.2A,2D, 1.2E, 1.10C

ELA TEKS: 1.13A, 1.13D, 1.13E



ANIMAL ADAPTATIONS

(Suggested Grades 2nd - 4th)

Students will explore basic inherited characteristics that help organisms survive in their habitat. Activities include a bird walk through the property with opportunity to learn to use binoculars to observe birds. Students will compare replica skulls of birds and how their adaptations affect feeding behavior and participate in a game and graphing lesson that introduces camouflage and other adaptations.

Science TEKS: : 2.2A, 2.3B, 2.10A, 3.2F, 3.10A, 4.10B

ELA TEKS: 2.13G; 3.13H; 4.13H, 4.12B

Math TEKS: 2.10A



PLANT ADAPTATIONS

(Suggested Grades 3rd - 5th)

Students will look at the plants in the preserve prairie and wetland ecosystems and learn about the adaptations that help them survive here. This program includes sketching, description and lab activities that uses microscopes and triple beam balances.

Science TEKS: 3.10A; 4.10A, 4.9A, 4.10B, 5.10A, 5.10B

Math TEKS: 3.4A, 3.4B, 4.4G, 5.3K



NEEDS OF ORGANISMS & CARRYING CAPACITY (Suggested Grades 5th - 8th)

Students will conduct a population survey of animals and/or plants that reside at the preserve. Students will play a game and graph the results to discuss survival strategies, limiting factors and population carrying capacity of the preserve.

Science TEKS: 5.9A, 5.9B, 7.5B, 5.9C, 6.12E, 6.12F, 8.11A

Math TEKS: 5.3K, 6.3D; 7.3A, 6.6C



ANIMAL RESEARCH WALK (Suggested Grades 6th - 7th)

Students will use Latin prefixes and suffixes to understand scientific names of organisms at the preserve. Students will research an assigned organisms in small groups using the preserve's library of resources, including a walk to find the habitat of their organisms and conclude with a presentation to the group.

Science TEKS: 6.12C

ELA TEKS: R.2D, 6.1B, 6.12A, 6.12C, S.4F



MIGRATION (Suggested Grade 7th)

Students will describe migration patterns of birds and butterflies that come through the Corpus Christi area. Students will apply keys and field guides to identify migratory species at the preserve. Activities will use maps and charts of migratory routes to lead to discussions of landforms that affect migrations

Science TEKS: 7.11A, 7.11B

Social Studies TEKS: 7.8, 7.8A, 7.8B