CITY by the SEA
MUSEUM
PALACIOS - TEXAS

Education Programs Booklet

School Year 2022-2023

Exploring the Palacios Area through Social Studies, Nature and Art Education

361.972.1148
401 Commerce Street
Palacios, TX, 77465

CITY by the SEA MUSEUM
PALACIOS · TEXAS

Public Hours:
Tuesday - Friday: 12:30pm - 5:30pm
Saturday: 10am - 2pm
Pk-12 Tours Available:
M-F During School Hours

TABLE OF CONTENTS

MUSEUM TOURS

Bring your learners to the museum for history and ecology tours.

OUTREACH PROGRAMS

Bring the museum to your location through our free outreach program! Outreach must be booked at least two weeks in advance.

RESEARCH & RESOURCES

- Historical photographs for educational use
- Use of the museum collections by students or teachers for historical research

RESERVATIONS

Programs must be booked online at least two weeks in advance at:

www.citybytheseamuseum.org

Outreaches are free for this year. Tours for students in PK-12 are $3 per student. Payment can be made prior to arrival or on the day of your tour via credit card, cash, or check made payable to Palacios Area Historical Association.

QUESTIONS?

Tours and outreach:
Education Program Specialist
Kayla Clark
museumpalacios3@gmail.com

Using collections for research:
Museum Curator
Katie Hutto
museumpalacios@gmail.com

Fundraising, grants and scholarships:
Museum Director
Esmeralda Salinas
museumpalacios2@gmail.com

Call us for more info!

361-972-1148

Tour Descriptions

CITY by the SEA MUSEUM
PALACIOS, TEXAS

TOUR TOPICS - FOR ANY GRADE/AGE

Below are broad tour topics that can focus the lens through which students explore our permanent and temporary exhibits, as well as items from the collection. We are always happy to tailor tours to your group's needs, just let us know when you book if you have a particular subject not on this list, or that is more specific.

- Local History
- Texas History
- United States History
- World War II
- Ecology (Coming Spring 2023)
- Working Land and Water

EXHIBITS

Permanent exhibits include:

- Karankawas
- The La Belle Excavation
- La Petite Belle
- Camp Hulen & World War II
- Shrimping Industry
- Working the Land
- Palacios Education through the years
- Local Natural History (opening Spring 2023)

Additionally, temporary exhibits may be available. Check the "Exhibits" tab of the museum website for upcoming/current topics temporarily on display.

PK & KINDERGARTEN

Young learners are invited to play an i-spy game and explore exhibits using a picture-based scavenger hunt. Additional stories, games or art can be added upon request to tie the tour into topics children are learning in their classrooms, such colors, shapes, sizes, numbers, or observing with our senses.

WORKING LAND AND WATER

This tour weaves together the natural and human history of the Palacios area. Students will explore the exhibits to locate and compare tools used by Karankawa, ranchers, farmers and shrimpers to live off the land, and water. They will interact with natural resources used by people including shells, soil, and water.

Outreach Descriptions
History

4 & 7: TEXAS HISTORY

Let us know which topic in Texas History you would like brought to life with artifacts, photos, oral histories or historical documents! Physical artifacts are not available for every topic. Some examples include: La Salle, Karankawas, Railroads.
TEKS: Depending on topic - Social Studies 4.1B, 4.2A, 4.2B, 4.4C, 4.10C, 7.1A, 7.2B, 7.6C

4 & 7 UNITED STATES HISTORY

Let us know which topic in United States History you would like brought to life with artifacts, photos, oral histories or historical documents! Physical artifacts are not available for every topic. Some examples of topics include: Segregation, Industrialization, the Great Depression & the New Deal, Immigration, The Vietnam War and World War II
TEKS: Depending on topic - Social Studies 4.5A, 7.7D, 7.7E

4 & 7: GEOGRAPHY

As our museum director always says, “The history of Palacios cannot be separated from the Bay.” The major industries locally are tied to natural resources and the landscape, from shrimping to ranching to oil. Our collections include historical photos of seafood and shrimping, the Gulf Intracoastal Waterway, Palacios seawalls and more. This outreach ties together examples of geography influencing economy, culture, history, and human adaptations.
TEKS: Social Studies 4.6, 4.8, 7.8, 7.9. 7.10A, 7.10B

HIGH SCHOOL

We are happy to create outreaches on specific topics upon request. We can also share resources such as photographs or primary sources to supplement what you are already teaching in the classroom. Educators are welcome to use selected items from the museum collections which includes:

- World War II (Camp Hulen, some images of Europe or Japan)
- Military History
- Hurricanes and Storms
- La Belle Excavation
- Town Growth
- Agriculture and Industry
- Bay Scenes
- Karankawas
- Ecology/Natural History
- Vietnamese Oral Histories
- African American Oral Histories

Outreach Descriptions

Pk & Cross Disciplinary

K-12: BEAUTIFUL BIRDS - DESIGNS IN SCIENCE AND ART

This program can be taught any time, however, it is especially relevant from September-February for schools planning to participate in the Matagorda Bay BirdFest Student Art Contest, which is coordinated by the local organization, MARSH. Each year, students throughout the county are invited to submit artwork of the chosen bird species for that year's contest. Students will explore how the form and function of bird bodies are uniquely designed for that species to survive in its habitat. They will discuss how they can represent the natural form and function of that years' focal species in their artistic designs and observe evidence of this in the artwork of past winners of the youth contest. Students will also have an opportunity to practice using binoculars.
TEKS:
Art - K.1A, K.1B, K.2A, K.3A, K. 3B, K.3D, K.4B, 1.1A, 1.1B, 1.2A, 1.3D, 1.4B, 2.1A, 2.1B, 2.3A, 2.2C, 2.2D, 2.4B, 3.3C, 3.3D, 3.3B MS3.1A, MS3.1D
Science - K.13B, 1.13A, 2.13B, 3.13A, 5.12, 5.13A, 6.12, 7.12, 7.14, 8.12

K-12: FRESHWATER IN MATAGORDA COUNTY

Do your students know what watershed they live within? Where does the water they interact with every day come from, and where does it go after? A museum educator will share about the importance of freshwater inflows to our local coastal estuaries, then students will participate in a hands-on activity from the Project WET curriculum, depending on grade level and subject area.
TEKS: Depends on the grade and subject, let us know when you book if you have a particular TEKS in mind

PK: PELICAN PLAYTIME OUTREACH

The museum offers monthly programs for families with young children, called Pelican Playtime. Now, you can bring this program out of the museum and to your location, whether it is a daycare, community center, church, or PK classroom. The typical format is 10-15 minutes of circle time with a story, song or movement activity followed by 30 minutes of learning-rich play at stations. Stations include animal puppets, water play, felt boards, books, a craft, and either shells or live animals (small minnows or small crabs). Topics include:

- Animal Movement
- Singing with Ranch Animals
- Celebrating Día de los Muertos
- Fry Bread: A Native American Family Story
- Sizes with Shells
- Colors
- Fabulous Fish

Outreach Descriptions
Science K-5

CITY by the SEA MUSEUM
PALACIOS, TEXAS

K-2: PRETTY AMAZING PLANTS

Children will sing and dance to learn plant parts and use a felt board to make a model of a plant life cycle. They will investigate different soils samples and cuttings of local native plants. They will also learn about the butterflies or other animals that depend on these plants.
TEKS: *Science* K.1D, K.12A, K.13A, K.13C, 1.11A, 1.1A,1.1B, 1.1D, 1.1E, 1.1F, 1.5C, 1.10A, 1.10B, 1.10C, 2.1A, 2.1B, 2.1D, 2.1F, 2.12A, 2.12C, 2.13A

K-2: CRAB COMPARISONS

What do a crab and an elementary student have in common? Students will compare themselves with crabs to explore the concept of what living things have in common, as well as the differences in the physical structures that crabs and humans use to breathe, eat, move, and see with. It is likely we will be able to bring live crabs, however this is dependent on nature.
TEKS: *Science* K.1A, K.1D, K.5C, K.6, K.13B, 1.12A, 1.12B (when live animals available) , 1.1A, 1.1D, 1.2C, 1.5C, 1.5F, 1.12C, 1.13A, 2.1A, 2.1B, 2.1D, 2.1F, 2.5C, 2.5F, 2.6A, 2.12B, 2.13D

K-5: ANIMAL ADAPTATIONS

Students will observe a range of biofacts (bones, skulls, shells, preserved animal specimens). They will sketch and write notes on what they see, and then verbally discuss evidence of the differences and similarities in physical features that allow each animal to survive in its particular environment. Videos of the live animal species that these biofacts are from will help students make inferences about what the functions are of the physical structures they observe.
TEKS: *Science* K.1D, K.13B, 1.1D, 1.1E, 1.1F, 1.5C 1.5F, 1.13A, 2.13B, 3.13A, 5.13

3-5: COASTAL FOOD WEBS

Looking for a fun way to teach or reinforce the concept of food webs? Our education team will introduce examples of local organisms that are producers, consumers, and decomposers by using photos, biofacts, plant cuttings, and when available, live animals (small minnows, crabs, snails).
TEKS: *Science* 3.4B, 3.12B, 4.1D, 4.1G, 4.4B, 4.12A, 4.12B, 4.13A, 5.1D, 5.1G, 5.4B, 5.12A, 5.12B, 5.12C

3-5: WINDY WEATHER

Living on the Texas coast, wind influences our local temperature, landscape, ecology and history. Students will practice engineering skills by building and testing an anemometer, a tool used for measuring wind speed. If there is access to an outside area at the school they will record measurements using their anemometers and then calculate wind speed using a mathematical equation. They will also learn about wind speeds in hurricanes and practice reading figures by exploring captioned historical photos of Palacios after Hurricane Carla.
TEKS: *Science* 2.10A, 2.10B, 2.10C, 3.4B, 3.10A, 5.10C

6-12: SALT MARSH SCIENCE

Students will learn about abiotic and biotic characteristics of salt marshes then practice using a variety of scientific tools used in studying salt marshes. They will use refractometers to measure water salinity and identify salt marsh plants using a dichotomous key. For longer lab periods, students will conduct a mock marsh vegetation survey using transect tapes and quadrats and demonstrate comprehension of graphs and figures selected from peer reviewed articles in salt marsh science.
TEKS: *Science* 6.1D, 6.12, 7.1D, 7.12, 7.14, 8.1D, 8.12, *High School Biology* 13, *High School Environmental Systems* 1D, 4C, 5A, 5B, *Aquatic Science* 7, 12

6-12: SQUID DISSECTIONS

A museum educator will bring squid to your science lab and lead a dissection. This hands-on activity focuses on invertebrate anatomy, lab skills and animal adaptations.
*At this time, schools must provide the dissection kits. $3 per student to cover the cost of purchasing squid. If cost is a barrier to participation please still inquire about booking this outreach. Given enough notice, we may be able to ask museum members or other funding sources to buy your squid.
TEKS: *Science* 6.1 , 7.1, 7.14, 8.1, *High School Biology* 1, *Aquatic Science* 13B

6-12
THE IMPORTANCE OF INQUIRY : WHY YOUR QUESTIONS MATTER

This discussion-based outreach engages students in talking about how the skills they're learning in junior high or high school science class matter for the world and their own wellbeing, even if they have no plans to be a scientist. Having the skills to ask a useful question, design an inquiry to answer that question and then take informed action based on your findings is not only a fundamental aspect of scientific process, but relevant across many different careers and everyday life. A generation of young people with this skillset is also essential for addressing complex socio-ecological challenges. The museum educator will share examples of case studies from her first-hand experience and facilitate a discussion with students about their own experience, including time to practice asking descriptive and comparative questions.
TEKS: Science 6.1A , 7.1A, 7.14A, 8.1A *High School Biology* 1A, 4B, 4C *Aquatic Science* 1A *High School Environmental Systems* 1A, 4