



THE *BaySmart* EXPERIENCE
A YESS PROGRAM

CURRICULUM TOPICS

REFERENCED TO TEXAS ESSENTIAL KNOWLEDGE AND SKILLS (TEKS)

- 1. HISTORY**
 - A. Early settlers
 - B. Significant historical events / dates
- 2. GEOGRAPHY**
 - A. Satellite image of Galveston Bay Area
 - B. Identify home ports of ships observed in Houston ship channel
- 3. MARSHLANDS**
 - A. Observe local marshlands
 - B. Understand purpose & significance
- 4. ENVIRONMENTAL ISSUES**

Point & non-point pollution demonstration model
- 5. COMMERCE**

Observe commercial activities
- 6. ECONOMICS**

Port of Houston economic impact statistics
- 7. PETROCHEMICAL INDUSTRY**
 - A. Economic impact
 - B. Products / By-products
- 8. MARINE-RELATED CAREER OPPORTUNITIES**

Observe various workers discuss requirements
- 9. MARINE RECREATIONAL ACTIVITIES**

Observe recreational boaters / activities
- 10. MARINE COMMERCIAL ACTIVITIES**

Observe shrimp boats, crab boats, tug boats, cargo ships, etc.
- 11. ECOLOGY**

Understand nature's interdependency
- 12. CHEMISTRY**

Fresh / Brackish / Salt water
- 13. MARINE LIFE**

Observe & identify
- 14. WILDLIFE**

Observe & identify
- 15. BIRDS**

Observe & identify
- 16. MARINE NAVIGATION**
 - A. Navigational aids
 - B. Rules of the road
 - C. Enforcement
 - D. Technology
- 17. SAFE BOATING PRACTICES**
 - A. Courtesy
 - B. Laws
 - C. Personal Flotation Devices
 - D. Distress / Alert / Location Devices
- 18. HOMELAND SECURITY**
 - A. Observe X-ray scanning process at Barbour's Cut Terminal
 - B. Observe Coast Guard patrol boats

Observations and exercises may vary due to weather, technological challenges, Port of Houston activities or other uncontrollable circumstances

