

LUMCON Field Trip Activities — Quick Reference

Standards alignment at a glance, Louisiana Universities Marine Consortium

DCI = Disciplinary Core Ideas · SEP = Science & Engineering Practices · CCC = Cross Cutting Concepts. Performance Expectations are written by LUMCON Curriculum Specialists and may differ from your own curriculum's PEs. "TBD" marks activities still being finalized for standards alignment, ask your LUMCON educator for the latest.

ACTIVITY	SETTING	DCI CODES	SCIENCE & ENGINEERING PRACTICES	CROSS CUTTING CONCEPTS
Plankton Lab	Indoor	ESS3.C, LS1.B, LS2.A, LS2.D, PS3.D	Asking Questions and (Defining Problems); Analyzing and Interpreting Data; Developing and Using Models	Patterns; Structure and Function
Front Pond Biodiversity Sampling (Ecosystems/Habitat)	Indoor / Outdoor	LS1.B, LS2.A, LS2.D	Asking Questions and Defining Problems; Engaging in Argument from Evidence; Analyzing and Interpreting Data; (Developing and Using Models)	Patterns Structure and Function Cause and Effect Analyzing and Interpreting Data
Anatomy Labs	Indoor	LS4.C, LS4.D	Asking Questions Constructing explanations Engaging in Argument from Evidence	Structure and Function Patterns
Coastal Waters Art Studio	Indoor	TBD	TBD	TBD
Scientific Pond Collection	Outdoor Indoor	ESS3.C, LS1.A, LS1.B, LS1.C, LS2.A, LS2.D	Asking Questions and (Defining Problems); Analyzing and Interpreting Data; Planning and Carrying Out Investigations; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence	Systems; Cause and Effect; Stability and Change; Patterns
Marsh Walk/Salt Marsh Field study	Outdoor	ESS3.C, LS1.C, LS2.A, LS2.D	Asking Questions and Defining Problems; Engaging in Argument from Evidence	Patterns Structure and Function Cause and Effect
Marsh Transecting	Outdoor	ESS3.C, LS1.A, LS1.B, LS1.C, LS2.A, LS2.D	Asking Questions and (Defining Problems); Analyzing and Interpreting Data; Planning and Carrying Out Investigations; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence	Systems; Cause and Effect; Stability and Change
Fiddler Crab Population Assessment	Outdoor	ESS3.C, LS1.A, LS1.B, LS1.C, LS2.A, LS2.D	Asking Questions and (Defining Problems); Analyzing and Interpreting Data; Planning and Carrying Out Investigations; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence	Systems; Cause and Effect; Stability and Change
Relative Elevation Profiling	Outdoor	ESS3.C, LS1.C, LS2.A, LS2.D	Asking Questions and Defining Problems; Developing Models; Analyzing and Interpreting Data; Obtaining; Evaluating, and Communicating Information	Patterns; Stability and Change; Cause and Effect
Intro to Understanding Coastal Landscapes	Outdoor	ESS3.A, EVS1B	Asking Questions and Defining Problems; Developing Models; Analyzing and Interpreting Data; Obtaining; Evaluating, and Communicating Information	Patterns; Stability and Change; Cause and Effect
Water Sampling	Outdoor	ESS2.C, ESS2.D, ESS2.E, LS1.C, LS2.A, LS2.B, PS1.B, PS3.A	Asking Questions and Defining Problems; Developing Models; Analyzing and Interpreting Data; Obtaining; Evaluating, and Communicating Information	Patterns; Stability and Change; Cause and Effect
Boat Trip W/O Water Sampling	Outdoor	ESS2.C, ESS2.D, ESS2.E, LS1.A, LS1.B, LS1.C, LS1.D, LS2.A, LS2.B	Analyze and Interpreting Data; Constructing Explanations	Patterns; Stability and Change; Cause and Effect
Paddling Trip (Marsh Mapping)	Outdoor	TBD	TBD	TBD