

Chesapeake Coastal Academy 2011 Tentative Daily Schedule

Each day will be structured to incorporate preparation (learning new science content and MWEE investigation skills), include action (MWEE investigations outdoors) and reflection (data analysis & synthesis, personal & group learning assessment, and application of new knowledge & skills to develop MWEE lesson ideas for teachers' individual classrooms).

DAY	SCIENCE THEME/SOL	TOPIC	SKILLS	INVESTIGATION
Monday	Broad picture opening day- touching on all SOLs of item #14 above, previewing activities the teachers will learn all week.	Chesapeake Bay watershed topics, inputs/outputs Living resources & water quality	Learn through information given and in field investigation techniques	National Wildlife Refuge data collection on river shore, pond, and uplands.
Tuesday	Role of rivers, wetlands, riparian buffers, and fauna in the watershed of the Bay. SOL 6.7, LS.10,LS.11, LS.12, ES.9, ES.11, Bio.9	Mattaponi River as a tributary of and a metaphor for the Bay	Canoeing; investigating wetlands on foot; learning how to collect data precisely and coherently, and report it out.	Use canoes to investigate shallow water environs; water quality data collection, fisheries inventory, wetlands and SAV identification.
Wednesday	Mid-Bay Estuary investigation, Water quality and dead zone profiling, littoral investigations SOLs 6.7, LS.7,LS.10, LS.12,Bio.9	Water quality, natural resources, investigate bay social community	Use water quality probes to investigate bay, use other data collecting tools to investigate	Water column of middle bay, littoral zone sampling, benthic zone transect.
Thursday	Comparative habitats investigations SOLs 6.7, LS.7,LS.10, LS.11, LS.12 ES11, Bio.9	Investigate intertidal wetlands, submerged aquatic vegetation, oyster reef ecology	Perform data collection with new tools and enhanced personal abilities.	Tidal wetlands, benthic communities (oyster reefs and SAV meadows.
Friday	Interpretation and analysis of date. SOLs 6.5, 6.7,6.9,LS.7, LS.10, LS.11, LS.12, ES 7,Bio.9	Sharing data with colleagues and broader community	Recording and reporting collected data, sharing with others	Culmination of Bay investigation and re-visit a MWEE; development of MWEE for students