11th Grade EDP Boat Project

Overriding Theme
The American Voice and Identity

	English	History	Design	Math
Learning Objectives	1. Star Spangled Banter 2. American voice 3. Elements of rhetoric: ethos, pathos, logos, 7 evidence types 4. Writing conventions: sentence varitety, verb use, active voice 5. ABC of timed writing: early prep for EAP	1. Motives for and settlement patterns of the English in N. America 2. Significance of maritime trade in Colonial U.S. & Protest against Navagation Acts 3. Role of Sailors in Sparking Revolution. 4. James Chalmers & The Loyalist Cause 5. The Continental Navy Fiasco 6. The Federalist Model & Building a Navy	1. Ship Types & Uses: Galleon, xebec, Frigate, Ship of the Line, Schooner & types of rigging 2. Ship architecture Soft/ hard chine hulls, bulkheads,	Measure materials for building Estimate cost of supplies Estimate cost of wasted materials Calculate bouyancy
Lesson Connections	Star Spangled Banter Elements of Rhetoric: The Crisis Part 1 Thomas Paine & Patrick Henry Writing Conventions	The war of 1812 Attack on baltamore Elements of Rhetoric: Common Sense v. Plain Truth (Cut & Paste) King George III break up letter	Application of math / design learning objectives	Application of learing objectives
Project Alignment	Essay: Argument based on Fulbright quote - criticism is patriotic	James Chalmers & Six Frigates - U.S. unprepared for war	Will student ships hold up better than Continental Navy?	Dimensions document of boat sketch

Culminating Project	Test boat design in pool	
	Sailing in San Diego Bay!	