

Teaching
with Small
Boats Alliance
Conference
2017

April 26-29, 2017

Chesapeake Bay
Maritime Museum
St. Michaels, Md.



CBMM and CAT-South

Collaborating with Regional Schools



Marine Service Technology Program



Career Exploration, 9th grade



Level 1, year-long "A" days



Level 2, year-long, every day

Program Curriculum

- Wood/Epoxy boatbuilding and repair
- Mastery of shop tools
- Understanding theories of hull design and buoyancy
- Small engine maintenance and troubleshooting
- Inboard engine service
- Outboard maintenance and troubleshooting
- Composites
- Marine wiring
- Marine finishing



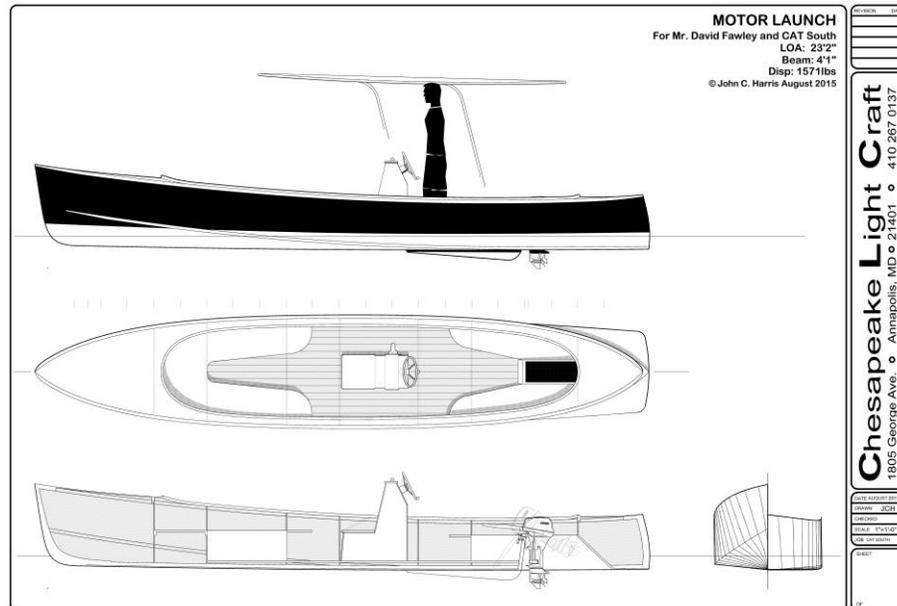
Program Curriculum continued

- Fiberglass construction and repair
- Gelcoat finishes application and repair
- Winterization of engines and marine systems
- Trailer inspection and service
- Understanding sail theory
- Facility with hand tools
- Woodworking and joinery
- Career readiness and resume building



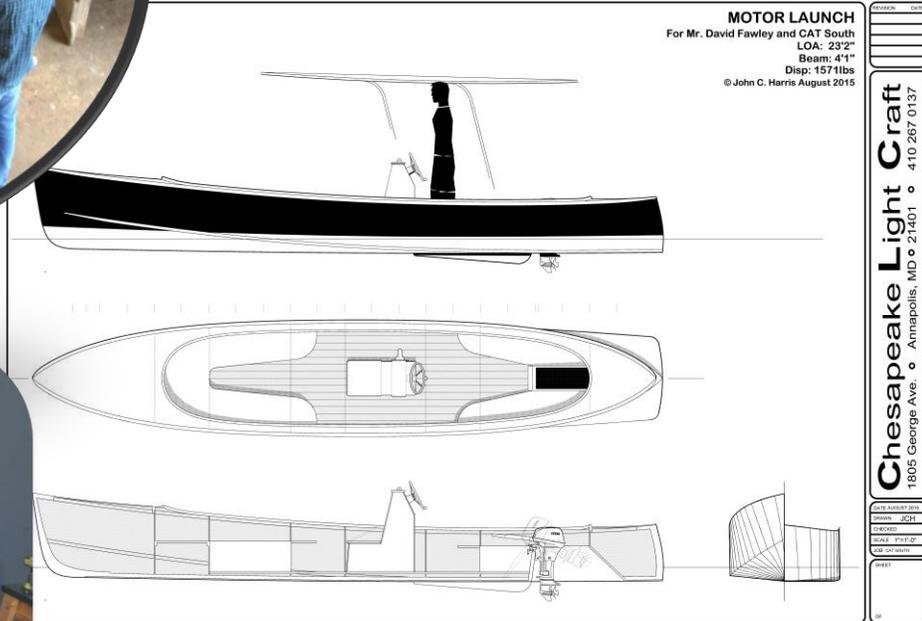
Current Projects

- Bevin's Skiff Sailing Model
- (2) Bevin's Skiffs
- 23' Cold Molded Motor Launch
- Restoration of 34' Wooden Ketch
- Units of Instruction in Electrical, Mechanical, and other Systems
- Independent Study building Hydroplane Racer of own design



2015 Visit to CBMM, Extension of Curriculum and Exposure to Content Beyond School Curriculum

- ❑ Students worked in CBMM shop bending White Oak
- ❑ Students learned historical significance of drake-tail design, tied to their current project
- ❑ Students were able to go out on Martha



2016 Visit to CBMM, Exposure to Techniques they will not learn at CAT-South

- ❑ Students learned about dugout canoe construction
- ❑ Students learned about Adze work
- ❑ Students were able to do work on Edna E. Lockwood
- ❑ Students loved the team building competition using the two person saw



Next step....an overnight in the Lighthouse!

