

## Rigging the Tech Dinghy Step-by-Step

Section	Quick Summary	More Detailed Description
Hull	1a - Find an unused Tech Hull. 1b - Put in plugs. 1c - Bail out any water.	1a - Find a Tech hull that is not being used. If none on dock, get 3+ other people to help you lift one out of Bay 1 or 2. 1b - Put in plugs. (Can check tanks if you want.) 1c - Bail out any water.
Mast	2a - Get a mast. 2b - Step the mast. 2c - Put it into the boat. 2d - Secure halyard line, attach sidestays. 2e - Check/adjust the sidestay wires. 2f - Attach, tension, and cleat the forestay. 2g - Attach boom to mast.	2a - If mast needed, get one from Bay 1 or 2. 2b - Step the mast (make it vertical) by putting the bottom end against the building and walking it up. 2c - Lift it into the boat (do not stand in the boat when it is on the dock) and adjust it until it drops in the slot. 2d - Unwrap the wire stays and pin in the two side ones (suggest 2nd hole down to start). If the halyard lines (ropes going to the top of the mast) are loose, tie them to a cleat. 2e - Pull the mast forward to see that it doesn't hit the boat when tensioned. If it does touch any part of the bow tank, adjust the sidestay wires. 2f - Attach the front forestay wire, then, while pulling the mast forward, attach the rope going to the forestay to the cleat (only moderately tight). 2g - Attach the boom to the mast - fast pin should go through all 4 holes.
On-the-Dock Setup	3a - Put on a lifejacket. 3b - Get a rudder. 3c - Get a sail. 3d - Loosen the Vang. 3e - Tie halyard to top of sail with Stunsail Tack Bend. 3f - Raise the sail in the mast a little and cleat off on starboard side. 3g - Slider on back corner of sail into end of boom. Attach outhaul hook. 3h - Adjust/cleat the outhaul line.	3a - Put on a lifejacket. 3b - Get a rudder from Bay 1 or 2 and put it in the back of the boat. 3c - Get a sail from Bay 1 or 2 (or a storm sail from the lobby if needed). 3d - Loosen the boom vang a fair amount. 3e - Unwrap/untie the ends of the halyard line and attach the end facing the back of the boat to the top of the sail using a Stunsail Tack Bend knot. 3f - Raise the sail in the mast a foot or two (30-60 cm) and cleat the front end straight down the mast to the cleat on the starboard (right-hand) side. 3g - Follow the back edge of the sail down to the back corner - put the white slider into the boom and attach the S-hook at the end of the boom (outhaul) to the slider. 3h - Adjust and cleat the other end of the outhaul so that the end of the sail is about 4-5 inches (10-13 cm) from the end of the boom.
Check Out the Boat	4a - Put sailing card on boat by sail number.	4a - Check out the boat (by sail number) at the desk using your sailing card.
Into the Water	5a - Water down the dock. 5b - Tie down bailer. 5c - Slide boat into water. 5d - Let boat swing into the wind. 5e - Tie to dock with a Bowline.	5a - Using a bailer, throw water on the dock under and behind the boat. 5b - Tie down the bailer to the end of any available line. 5c - Lift the bow, tip slightly to one side, and slide into the water. 5d - Hold onto the painter (rope in front) and let the boat swing whichever way the wind takes it. 5e - Tie the painter to the dock with a Bowline knot.
Centerboard and Rudder	6a - Get into the boat. 6b - Lower Centerboard lever. 6c - Loosen Traveller. 6d - Slide Rudder under Traveller and attach to back of boat. 6e - Rotate metal fitting above the bottom rudder pin. 6f - Tighten Traveller.	6a - Carefully get into the center of the boat without tipping it over. 6b - Take the bungee cord off the Centerboard Lever, and lower the lever most of the way down. 6c - Loosen the Traveller (the rope going across the back of the boat). 6d - Flip the Rudder/Tiller around, and slide it under the Traveller line. Slide the pins (pintles) on the rudder into the holes (gudgeons). 6e - Rotate the metal fitting above the bottom pin so that it is just over the top of the pin. 6f - Tighten the Traveller line leaving some room above the tiller.
Sail	7a - Raise sail to top of mast and attach halyard to starboard cleat. 7b - If sail not going up all the way, loosen/untangle lines as needed. 7c - Slider on sail into mast. Attach Downhaul line to one the port-side cleats. 7d - Adjust Outhaul. 7e - Adjust Vang.	7a - Raise the sail until it hits the top of the mast, then tie it to the cleat on the right (starboard) side. 7b - If it does not go up all the way, check if: The sail is stuck entering the slot in the mast. The main sheet is caught or tied down. The sail or boom is caught on the tiller. The vang is too tight. The outhaul is too tight. 7c - Put the slider on the sail into the mast, and then put the (red) Downhaul line through the hole. Attach it on the left-hand (port) side of the mast either through the jam cleat or around the other cleat (not both!). 7d - Adjust the Outhaul line for appropriate curve in the sail. 7e - Adjust the Boom Vang for appropriate tension on the sail and boom.
Express Unrig After Landing at Dock	8a - Tie boat to dock with bowline. Loosen vang. 8b - If someone else takes boat, switch cards. 8c - Else: lower sail, leaving in mast. Cleat halyard. Take off rudder, put in bottom of boat. Raise centerboard lever - attach bungee cord. 8d - Pull boat up on dock: > 2 planks from edge. 8e - Furl sail on boom, or roll up sail and put in shelf. Tie ends of halyard together, wrap around mast, and cleat or tie down. 8f - Hang rudder in back of Bay 1 or 2. Put away lifejacket. 8g - Bail out any water from boat (if capsized, check all tanks). Open bottom plug if likely to rain. 8h - File your sailing card away.	If asked to put boat completely away (inside Bay 1 or 2), also do the following: 8i - Take off boom. 8j - Loosen/remove forestay. Unpin sidestays. Wrap stays around mast in opposite direction of halyard wrap. Use halyard to tie down stays and re-cleat. Use downhaul to additionally tie stays to mast. 8k - Pull out mast, step it down, hang on ceiling hooks in Bay 1 or 2. 8l - Round up 3 or more additional people and carry the boat to put it away in Bay 1 or 2.