

*Raven Hill Discovery Center is a 501(c)(3) tax-exempt corporation.*

**Mission:** Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

## Sailboats

This is the time to create a sailboat and explore wind energy! Use a small block of Styrofoam. Sandpaper will easily shape the boat. Make an upturned bow in front, so it can cut through the water. Hollow out the boat, so that you have a place for your “captain”. Use a small skewer or toothpick for a mast. You can experiment with the placement of the mast—front, middle or back—and see which is most efficient. The sail can be a square or triangular piece of paper or cardstock. Punch two holes in the sail and thread the mast through the holes. Place the mast in the boat. Add a little flag at the top “to see the wind direction”, if you want. Your captain can be a washer with a paperclip for a “lifejacket”—to keep him safely in the boat. Straighten one end of the paper clip and push it down in the foam to secure the captain in place. Blow on the sail for wind, if there isn’t any breeze. Have fun in a wading pool, lake or even the bathtub!



1 Supplies



2 Shape hull of boat with sandpaper



3 Add stick or skewer for mast



4 Cut & punch holes in paper sail



5 Sail & flag on mast



6 Captain & lifejacket made



7 Captain ready to sail