

RAIN GUTTER REGATTA

Ahoy Mates!

As part of our Field Day Celebration...

We are going to put our students' engineering and problem-solving skills to work by having them build a *small* boat to compete in a boat race. Can't you just feel the excitement in the air? The race will be on **Friday, June 7th during our Field Day Celebration.**

We would like everyone to take part in the races. All students will become the captains of their boats and must follow specific guidelines.

Your boat should be your own design. Your boat **must** have the **craft sticks, index card, and rubberband** (all provided for you) as part of its design. All of these items may be altered to fit your boat's design.

The boats will be raced down a $3\frac{1}{4}$ " x 10' rain gutter. The boats are propelled only by the wind (which looks suspiciously like a box fan). The hull (outside) of the boat should be no more than 3" wide and 2" deep so that it will easily fit inside the gutter. The width of each boat's sail may not be larger than $4\frac{3}{4}$ " due to the available space between the two racing gutters.

Crafty engineers know that making the bow of their boat extra long can provide them a clear advantage in the race. Although we love this clever thought, we are adding one more requirement to the boat construction. **The bow (front) of your boat must not extend 2 inches past the front of the boat.**

As you begin to design your boat, keep in mind that your main objective is to make your boat move as quickly as possible using only wind power. A beautiful boat isn't always the fastest boat. You don't get extra speed for good looks, and sometimes the ugliest or strangest-looking boat wins the race- that's what makes this race so incredibly exciting!

All captains must complete their boat and bring it to school by Wednesday, June 5th so that they are ready to race the morning of Friday, June 7th.

The Regatta is a double elimination race. Awards will be presented to the winner from each Field Day group and ultimately the **Gutter Champion Medal and Plaque Engraving** will be awarded to the overall Blythe Park Grand Champion.

Remember:

- Boats need to be "docked" at school on Wednesday, June 5th.
- Dimensions:
 - Hull no more than 3 inches wide and 2 inches deep
 - Sail no more than $4\frac{3}{4}$ inches wide
 - Bow may not extend more than 2 inches front the front

Happy Sailing!