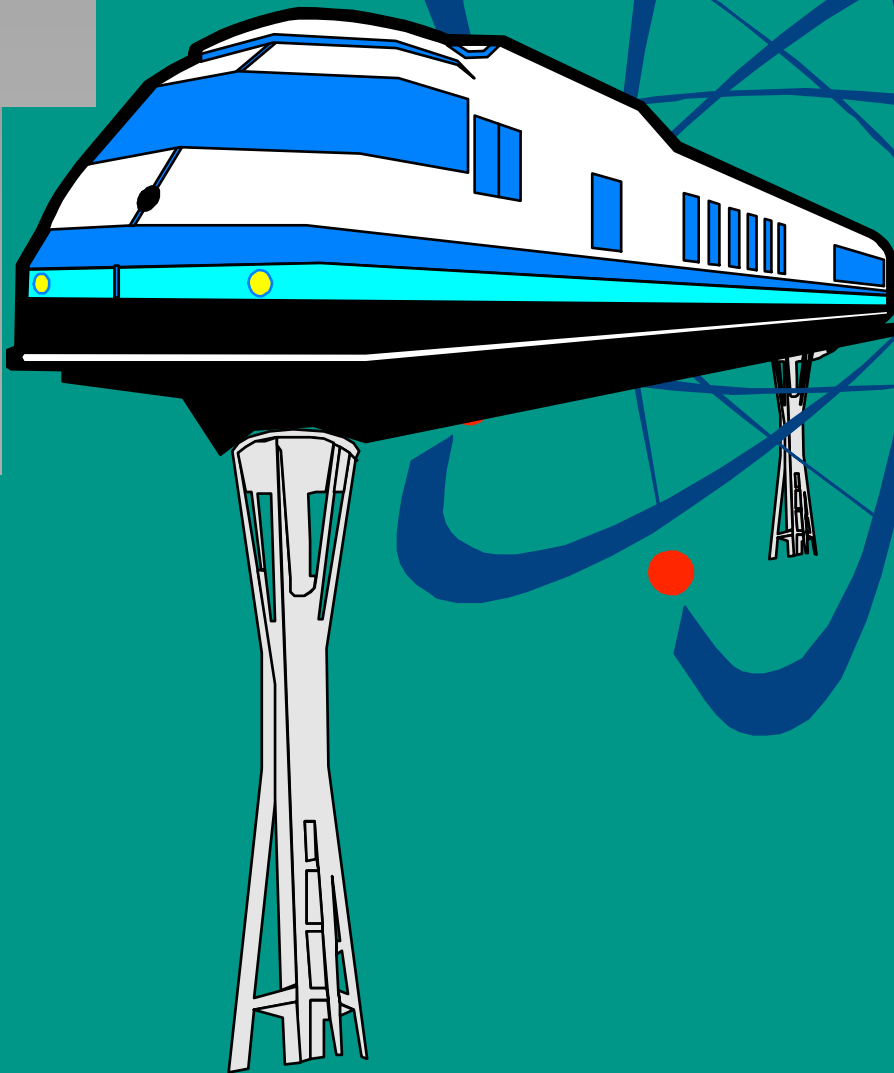


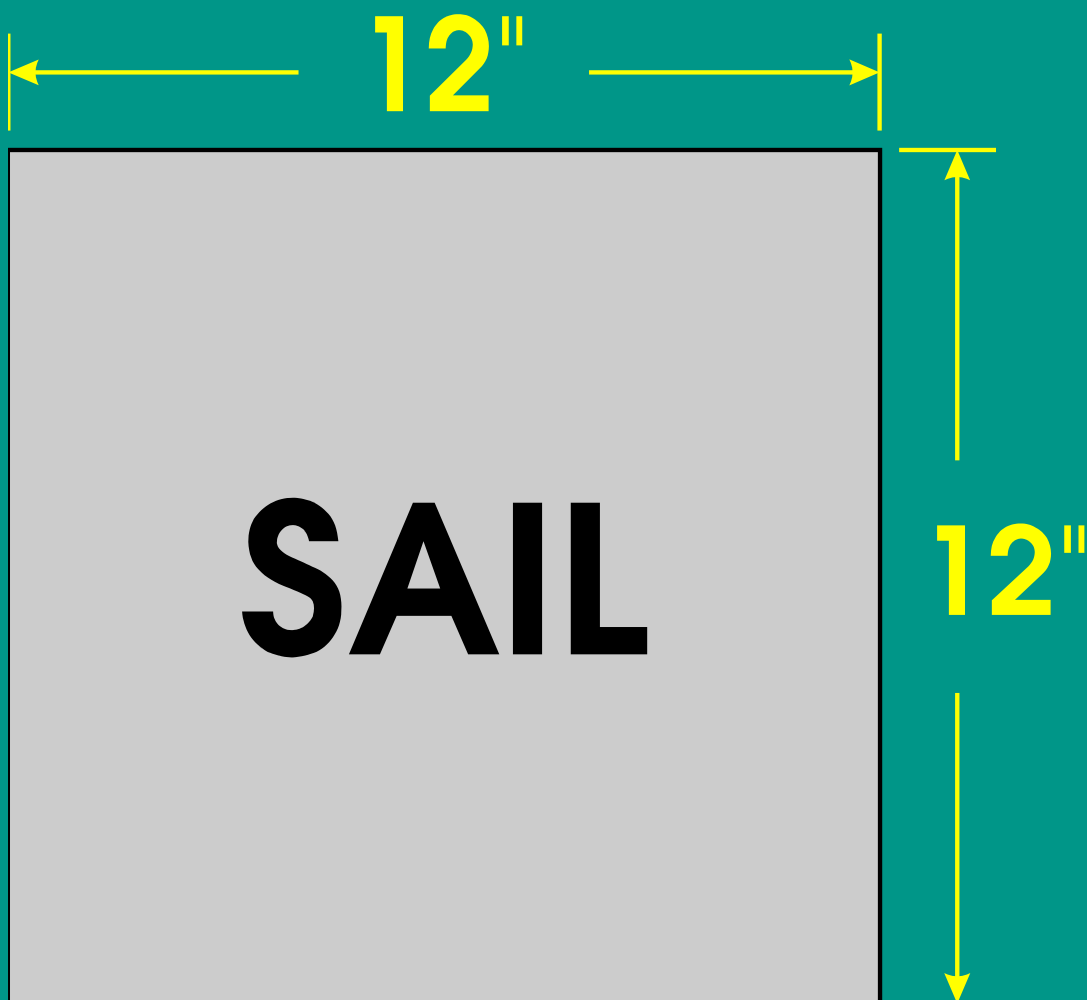
MAGNETIC LEVITATION



DAY 3

MAGNETIC LEVITATION

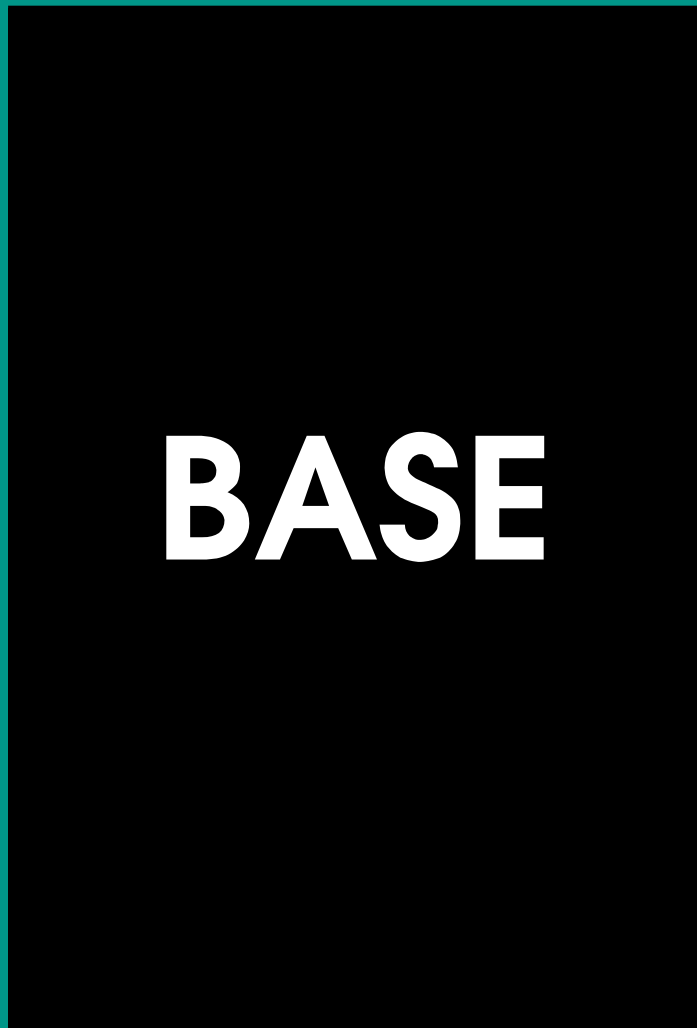
SAIL Limitations
(144 square inches)



MAGNETIC LEVITATION

BASE Limitations

← 2 1/2" →



5"



MAGNETIC LEVITATION

Materials

**You must use at least
3 different materials
in the construction
of your racer!**

MAGNETIC LEVITATION

EACH PERSON

- *Think of 2 possible designs for your Magnetic Levitation vehicle. Sketch the drawings on the design page . Your designs should be different.
(Don't limit yourself to only one design, this limits creativity.)*
- *Think of many different kinds of materials that can be used in the construction of your vehicle and list them.
(REMEMBER: you can only use the materials that you can and will collect.)*

MAGNETIC LEVITATION

AS A TEAM

- *Get together as a team and look at each others designs. Discuss the advantages and disadvantages of each design.*
- *Pick a final design as a team, it might be best to combine one or more designs to get a “BEST ONE”. (This is how designing is done every day.)*
- *Make a list of the materials you intend to use to build your racer.
(REMEMBER: you can only use the materials that you can and will collect.)*

MAGNETIC LEVITATION

CHECKLIST

- *Fill in the rest of Step 1*
Standards we must meet
- *Each team member draw 2 designs*
See Mr. Whitman for approval before meeting as a team.
- *Decide on a final design as a team*
- *Make a list of materials you plan to use to build your racer*
- *See Mr. Whitman for approval*
A signature is required to go on
- *Take an inventory of all the materials you have NOW*
Make a note of items you need so you can bring them in next class