

Plastic Surface Competition Rules:

1. Each team member is to find which combination of plastic, treatments, and/or modifications will produce a piece of plastic that holds the most water on one side and the least amount of water on the other.
2. The amount of water a piece of plastic holds is determined by adding drops of water to the plastic surface until the water overflows over the sides of the piece of plastic.
3. The surfaces of the plastics may be modified or treated with any combination of the materials provided.
4. Treated plastic pieces must be dry when submitted.
5. Each **team** will submit **ONE FLAT** plastic piece for competition.
6. Pieces may be any shape, but they must be flat, and have an area *no larger than a penny*.
7. The plastics will be rated by the difference of the maximum mass of water retained on one side compared to the other side.
8. Lab area must be clean before submitting the team's chosen plastic competition piece
9. Rating Scale:

20 pts = Greatest difference between the mass of water held on both sides of the plastic sample submitted. 1st Place.

19 pts = 2nd

18 pts = 3rd

17 pts = 4th

16 pts = 5th

15 pts = 6th

14 pts = 7th to Last