



SUMMER SPLASHDOWN CHALLENGE

DESIGN GUIDELINES

Below are guidelines to keep in mind when making your Summer Splashdown submission. We encourage participation first and foremost, so remember that your effort is most important!

GOOD LUCK!

You may submit up to 6 images (up to 3 MB each), title, and text short description of your water balloon launcher design. This is what we hope to see:

- Please create at least one image of your water balloon launcher design. Your images can be an original work of art, 3D model, diagram, or a photo of a design prototype, etc. For example you can sketch a design, make on in a 3D modeling software or build a prototype. Please note your launcher does not need to function.
- The size of your water balloon launcher design should be no larger than 10 feet x 10 feet x 10 feet.
- DO NOT SUBMIT an existing image of your water balloon launcher. All images should be 100% original and made by you, either hand-drawn or digitally drawn, using digital design software and/or tools, or a photograph of an original prototype designed by you.
- The balloon launcher should be able to launch a standard size water balloon (approximately 3-4 inches in length when filled with water).
- In your short description explain:
 - Launcher Type: Will your launcher be a slingshot, trebuchet, lever, or something else?
 - Physical Design: What will your launcher be made from? How will these materials work together to launch a water balloon?
 - Power: What will your launcher be powered by? Human strength, electricity, air pressure, or something different.
- To learn more about the engineering design process and to help brainstorm an idea please refer to the educational resources and BRAINSTORMING section on the challenge page.

Please review the [RULES](#) and do not submit any photos with personal info, faces or names!

SAFETY NOTE: Do not use any materials that are considered hazardous or explosive.

All entry builds should be done with the oversight of a parent or teacher.

