

Name:

Date:

Class:

Design Constraints

Constraints

Constraints are the real-world limits of the design, which is something engineers have to consider as they approach any problem they may have. If an engineer is designing a bridge, they need to figure out what materials would work, how long their bridge will have to be, how much weight their bridge should be able to hold and many other things. You can think of constraints as parts of the design our tool will have to meet, and you'll need to think about them when you begin your designs. Here are the constraints we will have with our focus tool designs.

- **It can't create noise!**
- **It must be able to be used without looking at it.**
- **It must fit at your seat, no bigger than a pencil box.**
- **It must be created with the provided materials the teacher will share.**