



Government
Jolly/Fall 2018

The Mechanical Metaphor: a creative Engineering & Government project

You've shown that you can create complex machines that can achieve simple tasks. You've shown that you can think about planning as part of the design process. You've also shown that you can construct devices to allow a person to walk on water...or not!

Now is your chance to apply your mechanical creativity in our Government class.

For this project, think about any aspect of government which we have studied so far and create a machine that demonstrates it. The machine does not have to be a Rube Goldberg device! It should be a simple machine that illustrates one of the core principles, processes, or protections we've learned about in the Constitution. The goal is for you to use your engineering and design skills to create an unusual yet accurate metaphor for some aspect of government.

Requirements:

- the device must be portable, since you'll have to present it to the class
- it must be safe, since you'll have to demonstrate it in class
- it must be three-dimensional
- it must use movement in some form
- it must accurately and clearly represent the principle or process you're trying to demonstrate
- you must explain what major steps in the design process you used
- you must give a clear, engaging, persuasive description of how the machine works and what it represents

Due date: Wednesday, Sep. 26.

You may work with one partner on this project.