Extra Credit 1: Tech Drawing

An important part of learning Computer Science Principles is to understand how you can be creative using technology. There are zillions of ways to do this, of course, but you have already learned enough about Processing to make interesting pictures, even moving pictures, on your own. This Extra Credit assignment gives you a chance to *show your stuff*! *

Goal: Create an interesting figure with Processing using the shapes and, if you wish, other parts of the language.

Though you can create whatever you like, the assignment will be evaluated on the following criteria:
1) *Is the figure interesting? Is it clever? Is it colorful? Is it carefully done?*
2) Does the design use different shape primitives? There are seven "2D Primitives" listed in the references.
3) Does the design use "many" shape commands? Obviously, "many" depends on what is required for the figure.
4) If a copy of a "subfigure" is needed, is a function used to make the copy?
5) Is there motion in the figure? It's not required, but you know how to do it.
6) *Is the solution commented?*

Keep in mind that the goal is to create an interesting figure, not to fulfill these six requirements. Only the first and last are REQUIRED.

You can talk to your friends about the assignment, but the program must be 100% your own work.

We may display the best examples in class or on the Web, with permission, of course.

Wrap Up: You have used Processing creatively! Submit your figure to the class drop box by the deadline.

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* Processing is not the "app" to use if you need to draw complex figures. There are many drawing and design apps for that, and people whose job it is to create complex designs (for example, Web designers) don't use Processing. So, this assignment is not designed to give you a skill that you'll use throughout life. Instead, this assignment is intended to reinforce the two-dozen ideas that we've already taught in class and labs. As you create an image of interest to you -- we all love to create! – you will be applying those ideas to accomplish your goals. It should be lots of fun! And what a way to "study" the material!