




(50 pts) Approx. 2 days

The second part of our unit is where you get to work on programming your awesome project! Whether you've chosen to make a program that's some sort of text-based game, or something with super simple text-based graphics, or even something more utilitarian like a calculator or reference, the process will be the same:

1. **Program:** This is what you've been waiting for. You'll use the appropriate techniques, and resources to accomplish your plan.
 - a. **For your program:** You'll need to remember the proper programming practices to make your idea a reality. Starting with class structure is a good way to begin, and making your runner class start to talk to objects is a good second step.

Benshoof's Pro-Tip: Make your program do something small first (and get it working successfully). Then add a little more and get it working. Then a little more. Then a little more. Many smaller baby steps that each work will get you to a finished product much faster than trying to do the big thing right away and then troubleshooting 99 problems all at once.

2. **Follow Your Plan:** You made a very detailed plan, drawing, or flow chart before starting this work. Make sure that you refer back to it and follow it! If you need to change your plan in any way, make sure that you make note of that in your engineering notebook!
3. **Daily Notes:** *EVERY DAY* as you work through this unit, you need to end the day by making some short notes about what you accomplished. You can write about what you did successfully that day, what didn't work, or what needed to change as you continued working. This short 'journaling' of your programming and engineering process is an important habit to get in to, and we'll remind ourselves about it every day!

Part 2: Tasks	20-17 points	16-10 points	9-0 points
 Program	+ You actually programmed the thing you wanted to program! (Mostly)	- You completed part of your plan, but many things unfinished	- You did not do anything in the time given
 Follow Your Plan	+ You clearly followed the plan you setup in your engineering notebook.	- You did not really follow your plan	- You did not follow your plan at all, and nothing is documented
	10 points	9-5 points	4-0 points
 Daily Notes	+ You kept daily notes on your progress through this unit. + Notes are easy to find in your engineering notebook + Where appropriate, your notes include some pictures or diagrams	- Your notes are lacking - Your notes do not cover every day of work	- Your notes cover less than half our work days - Your notes are missing all together