Mini-project 1 Grading Rubric

The first mini-project will be graded out of 100 points.

You will be graded based on how well you address each point in the rubric. Meeting these expectations and addressing each point clearly guarantees a 90%.

Notebooks needing improvement or demonstrating outstanding work in any of the criteria will be noted accordingly, and could shift your grade above/below 90%.

Criteria	Needs improvement	Expectations (meeting these guarantees 90%)	Outstanding work
Use of programming tools and library functions **(20 points)**		Code is written concisely with correct structure and syntax. Code includes clear comments and helpful variable names.	
Effective planning and problem-solving approaches **(20 points)**		Narrative text explains and justifies how the solution is structured, including computational methods used.	
Presentation of code in context **(15 points)**		The purpose of each part of the code is summarized in the context of the solution as a whole.	
Clear and relevant visualizations **(15 points)**		Clear, fully labeled visualizations are provided to demonstrate findings. They are also interpreted in connection with the rest of the solution.	
Discussion of related physics and/or computing concepts **(15 points)**		Written reflection on the process of creating code, writing a solution, and using physics to verify and/or interpret your solution.	
Discussion of resources used and challenges **(15 points)**		Written reflection on the process of using outside resources and learning from challenges, including direct attributions to sources and a discussion of two specific challenges.	