



Instructor:

Mr. Meserve



Course:

Python 1

Driving Question

What is the meaningful problem to be solved or question to be answered that frames the project?

How do we code a bank statement?

Authenticity & Sustained Inquiry

How does this project involve real-world context, tasks and tools, impact, or personal issues in the students' lives?

With our students becoming more independent, the connection to personal banking is more than relevant. Apart from learning how to code, students will be regularly checking that the balance in the programmed checkbook is correct and troubleshooting when incorrect.

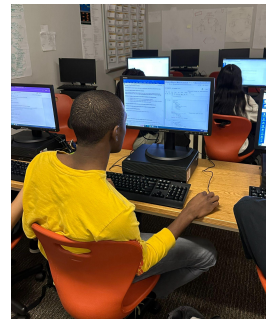
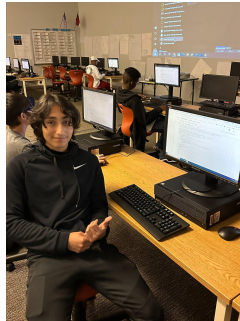
Public Products with Student Voice & Choice

What were some products students chose to make, and how did they share their products outside of the classroom?



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Students will create a program that balances a checkbook.



Teacher Reflection

Teachers reflect on the PBL process, the quality of student work, and any changes to make for future use.

"The students did really well understanding the concepts behind the project. The students did so well that I had to extend the PBL to incorporate deposits and withdrawals into the checkbooks. They then had to create a code so it could print out an itemized statement and total amount for each set of entries."

Student Reflections

Students reflect on the learning, the effectiveness of their inquiry and project activities, and obstacles that arose and strategies for overcoming them.

- "I learned how to properly map out a strategy before execution."
- "I learned ways to really break down lines of code and understand the processes around each one."
- "I became a lot more confident with the work by being less critical of each step needing to be perfect to get to a more important whole."
- "I learned how to fix issues that are bothering a program and make workarounds for the problems."
- "I learned how to initiate a plan and was ready for any problems that would arise. It helped me think more critically and carefully when I had different variables to work around."
- "This project helped me to bring together everything I had learned up to this point in order to make a working, neat, and complex program."

Noted Skills Gained

Strategizing Execution

Coding

Big-Picture Thinking

Problem-Solving

Proofing

Adaptability