

## PTA Curriculum Committee January 23, 2023









To develop a K12 Scope and Sequence for three main areas:

- Computer Science,
- Robotics,
- Computer Assisted Design.

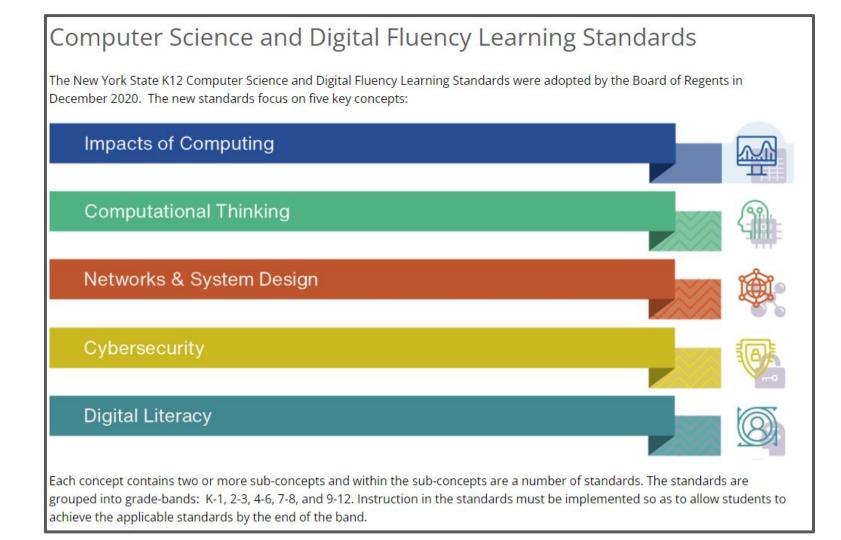
## Goal 2: Considerations





- Computer science in New York New York currently has 31,438 open computing jobs (3.9 times the average demand rate in New York).
- The average salary for a computing occupation in NY is \$100,813, which is significantly higher than the average salary in the state (\$58,910).
- New York had only 3,801 computer science graduates in 2015; only 18% were female.

"There is a lack of talent in technology, and we need to be encouraging kids in school to learn how to code. We need to encourage computer science as a major. We need to encourage entrepreneurism." – Jon Oringer, founder and CEO of Shutterstock





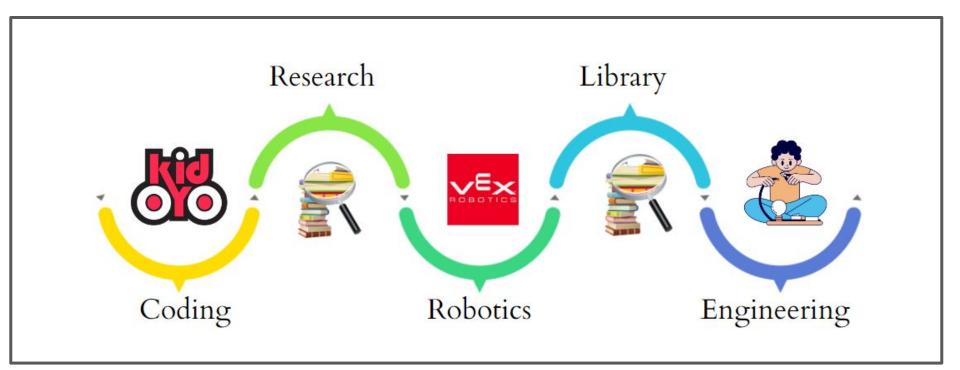
New York State Computer Science and Digital Fluency Learning Standards

GRADES K-12

December 2020



## How might a K-12 Coding, Robotics & Engineering Framework Look?



## Reflection



• What is the positive consequence for our children to experience coding and robotics throughout their K-12 experience?

• What is at least one thing you learned from tonight's session?

• What is something that you would like to share with Nicole, Jim, and the district?