Computational Thinker

Students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions. Students:

- formulate problem definitions suited for technology-assisted methods such as data analysis, abstract models and algorithmic thinking in exploring and finding solutions.
- collect data or identify relevant data sets, use digital tools to analyze them, and represent data in various ways to facilitate problem-solving and decision-making.
- break problems into component parts, extract key information, and develop descriptive models to understand complex systems or facilitate problem-solving.
- understand how automation works and use algorithmic thinking to develop a sequence of steps to create and test automated solutions.