

School Purpose

The Mission of Synergy Quantum Academy is to create and share solutions that will eliminate the achievement gap. Our Vision is to create model STEM schools that will empower students to be the next generation of problem solvers. The current school-wide learner outcomes that are currently in place focus on STEM, perseverance, critical thinking, communication, and problem solving.

Schoolwide Learner Outcomes**Students demonstrate STEM knowledge by:**

- Adapting to technological evolution.
- Modeling real world problems with mathematics and technology.
- Completing successfully four or more technology and/or engineering seminar courses.
- Engaging in instruction that blends virtual learning and project-based opportunities to achieve mastery.
- Demonstrating technological and media literacy proficiency by completing a yearly culminating collaborative presentation.

Students demonstrate PERSEVERANCE by:

- Engaging in continual reflection.
- Exhibiting a growth mindset.
- Creating, monitoring and completing their educational plan.
- Advocating for themselves and seeking resources for academic success.

Students demonstrate CRITICAL THINKING by:

- Applying reading, writing, listening and speaking strategies to real world situations.
- Listening and comprehending information, including paying attention, taking notes, and reporting accurately what was presented.

Students demonstrate verbal, written and technical COMMUNICATION by:

- Being persuasive, analytical, confident, clear, succinct, and professional.
- Being able to do scholarly research and discern credible sources.
- Articulating ideas in a formal presentation within class discussions.
- Being confident and able to support their ideas and point of views.

Students demonstrate PROBLEM SOLVING by:

- Decoding the question -- to understand what the question is asking; to examine what type of solution is needed; to determine what additional information is required.
- Analyzing the problem and/or scenario from multiple viewpoints to determine a solution path.
- Recognizing and appreciating the possibilities of multiple paths to solution(s).
- Using tools appropriately to synthesize their findings and develop a coherent product.
- Justifying assertions with factual, data and/or textual evidence.
- Reflecting on the validity of their product – does my answer make sense?