

The Tool

Generation TECH

www.generationtech.net

Over 54% of all schools report using students to help maintain technology infrastructure. Students can be valuable assets in the face of staffing cuts and high personnel turnover, providing on-site, reliable service to relieve time-starved teachers and overworked technology staff.

Generation TECH is a student-centered project-based approach to technical support that is rigorous and assessable. Training for the students and staff ensures a student technology program that promotes security and reliability.

Generation TECH provides a proven system to create a sustainable student technology program. These students gain marketable job skills, develop excellent habits of mind, and significantly increase the school's ability to integrate technology.

The Theory

Learning Mastery

www.learningmastery.org

Le Duc's Learning Mastery Approach (2001) to teaching required students be given the opportunity to solve problems on their own through exploration and communication with other students before using their teacher as a resource. Noble, Fiely, & Le Duc (2001) found that as students started to teach and help each other, they learned to be self-reliant, better communicators, and more accountable for what they did. Student comments from their research suggested that the Learning Mastery Approach gave students purpose for their research and learning. The Learning Mastery Approach to learning gave students more free will to choose paths of their liking, with the teacher serving as a guide. Students also became guides for other students as expertise in certain areas increased.

Noble, L., Fiely, J., & Le Duc, S. (2001). Learning Mastery - Students Teaching Students. *Learning & Leading with Technology*, 29, 18-21.