



GARRETT A. MORGAN

Preparing today's
youth to become
tomorrow's
transportation
professionals.



U.S. Department of Transportation
Federal Highway Administration

Garrett A. Morgan Technology and Transportation Education Program

U.S. Department of Transportation
Federal Highway Administration
Universities and Grants Programs

*“Education is the fundamental
building block to prepare
our youth for tomorrow's
challenges and opportunities.”*

Norman Y. Mineta

Former Secretary, U.S. Department of Transportation

WHO

Garrett A. Morgan (1877-1963), an African-American inventor, was born in Kentucky and lived his adult life in Cleveland, Ohio. One of his most notable inventions was the traffic signal, a device which provided the foundation for managing traffic flows in the 20th century. This technology has been electrified, then computerized, but not replaced because the science of its use was both revolutionary and ahead of its time.

WHAT

A national transportation education initiative founded in May 1997 by former Secretary of Transportation Rodney E. Slater as the Garrett A. Morgan Technology and Transportation Futures Program. Its purpose is to prepare youth to become the future transportation workforce. In 2005, Congress elevated this program to a new level by authorizing its establishment as the Garrett A. Morgan Technology and Transportation Education Program (GAMTTTEP) in the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (Public Law 109-59). GAMTTTEP's purpose is to “improve the preparation of students, particularly women and minorities, in science, technology, engineering, and mathematics (STEM) through curriculum development and other activities related to transportation.” Program objectives are:

- ◆ To build a bridge between America's youth and the transportation community;
- ◆ To improve elementary and secondary (K-12) level students' skills in STEM through such means as curriculum development, internships, mentoring programs, and other transportation-related activities;
- ◆ To facilitate partnerships among government, academia, and the private sector;
- ◆ To increase understanding of the transportation industry and careers, and advance transportation workforce development.

WHY

Much of the seasoned transportation workforce is retiring. The demand for both traditional and new skills is expanding. The nation's need for a highly skilled, diverse, and multi-disciplinary transportation workforce continues to grow.

HOW

Funded at \$1.25 million per fiscal years 2006-2009, the GAMTTEP provides grants to local and State educational agencies which may partner with institutions of higher education, businesses, and others to implement programs to improve K-12 students' skills in STEM through transportation activities.

KEY COMPONENTS OF THE GAMTTEP:

The program includes the following key components:

1. Priority to Women and Minority-based Programs
2. Science, Technology, Engineering and Math Improvement for K-12 students
3. Public/Private Partnerships
4. Competitive Peer Review Selection Process

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What is
Transportation?



When I
Grow Up...



Math, Science, &
Technology Fair

