

## VISION STATEMENT

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The IT Academy is designed to help a new generation of Information Technology learners get the most out of today's technology.

## ACADEMICS

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All students at George Westinghouse High School must take a rigorous college preparatory course sequence that is aligned with the New York State Performance Standards. All students are required to take four years of English, 4 years of Social Studies, 1 year of Foreign Language, 1 year of Fine Arts, 3 years of Math and 3 years of Science. In addition, students are required to select a major technology sequence by the conclusion of Grade 9. They will follow these challenging course sequences from 10th through 12th grade and upon graduation can receive certification in their concentration after completing a rigorous exam for an advanced diploma. All students are required by the State of New York to take Regents exams in various subjects, which includes English, World History, Mathematics, Science, and US History. Students must receive a grade of 65% or better to receive a Regents Diploma.

## About Us



**George Westinghouse High School offers all students an integrated academic and technical curriculum designed to provide real world, project-based learning experiences within an innovative and challenging instructional environment. The School is a pioneering educational center that offers students, parents, universities and community based partners the opportunity to be part of an information technology complex that prepares students for a successful post-secondary education and a career in the ever-changing global marketplace.**

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Westinghouse  
**IT** Academy



Janine Kieran, *Principal*

Valerie Girard, **IT** Academy Leader

Joey Arzuaga, **IT** Team Leader

THE FUTURE IS **IT**

INFORMATION TECHNOLOGY



## ELECTRICAL TECHNOLOGY

The A+ Computer Repair sequence offers the latest computer repair technologies and prepares students for A+ Certification. A+ certification is recognized throughout the computer industry and is used by many companies as a minimum requirement for training in other fields. Students will learn how to troubleshoot hardware and software problems and learn the DOS operating system. A+ certification indicates that the certified student has the knowledge and skills necessary to serve as a computer service technician.

The Electrical Technology and Applications sequence leads students through the various fields of current electrical installation. Students progress from learning about residential wiring to learning about the wiring requirements needed to support Information Technology systems and Programmable Logic Controls. Students will learn about cable and fiber optics wiring and telephony systems used by companies like Verizon.

Cisco Networking Academy students learn about the operation of networks, the differences between various types of networking products, how to design and troubleshoot networks so that the network is available to users, how to ensure that a network is protected from unauthorized users and other general topics. Upon successful completion of their technical sequence, students are eligible to take the Cisco Networking Certification examination.

### Occupational Outlook:

- **Computer Technician**
- **Level I, II, III Help Desk Support**
- **Office Machine Technician**
- **Remote Services Technician**
- **Field Service Technician**

### Occupational Outlook:

- **Electrician**
- **Network Cabling**
- **Fiber Optic Technician**
- **Electrical Inspector**
- **Appraiser**

### Occupational Outlook:

- **Network Administrator**
- **Network Security Administrator**
- **Network Analyst**
- **Network Engineer**
- **Project Manager**