



# TECHNOLOGY ACADEMY

## GRASSFIELD HIGH SCHOOL

**G**rassfield High School is a state-of-the-art facility designed for 2,400 students, grades 9-12. The school comprises 347,549 square feet. Featuring four academic quads which house classrooms, a 2000 seat gymnasium, media center, food court, and 1001 seat auditorium, the facility is also the site of the Chesapeake Public Schools' first academy.

### An Overview of the Technology Academy

Welcome to a new adventure in learning—the Grassfield High School Technology Academy. This Technology Academy represents an exciting new initiative in academic choices for Chesapeake Public Schools' students.

The Technology Academy opened September 2008 with its first freshman class. The Academy operates as a school-within-a-school and features a cutting-edge curriculum especially designed for students with an interest in and talent for technology. Students will have multiple opportunities for taking advanced courses, and sampling such special programs as mentorship and internship.

The innovative learning environment of the Technology Academy also provides students the added advantage of combining academic and technical training that prepares them for a variety of post-graduate choices: entry-level jobs, advanced technology training, or college or university studies. Students are drawn from across the city and may choose to pursue the Standard Diploma Program or the Advanced Diploma Program. Students attending the Technology Academy take core academic courses as well as technology elective courses from one or more of the three strands: pre-engineering, information technology, and entrepreneurship. Admission to the program is through an application process. Applications are due January 15 each school year.



## Program Goal

**The goal of the Technology Academy is to provide students with the specialized skills needed to compete for jobs in the current technology workforce and emerging technology fields of the twenty-first century.**

Three major technology career strands - pre-engineering, information technology, and entrepreneurship - comprise the program of study. The following courses will serve as the core academy curriculum.

### Pre-engineering - *Project Lead the Way Curriculum*

Introduction to Engineering- **9th grade course** (weighted .025)

Principles of Engineering (weighted .025)

Digital Electronics (weighted .05)

Aerospace Engineering (weighted .05)

Civil Engineering and Architecture (weighted .05)

Engineering Design and Development (weighted .05)



### Information Technology

IT Fundamentals - **9th grade course**

Programming

Advanced Programming (weighted .025)

Database Design/Management

Advanced Database Design/Management (weighted .025)

### Entrepreneurship

Leadership and Entrepreneurship Education - **9th grade course**

Leadership Development

Global Marketing and Commerce

Advanced Global Marketing and Commerce (weighted .025)

Sports Entertainment and Recreation Marketing

Advanced Sports, Entertainment, and Recreation Marketing (weighted .025)

***The courses listed  
are only offered at  
Grassfield High  
School. Additional  
Chesapeake Public  
Schools courses are  
available for  
Technology  
Academy credit.***

*Note: A technical writing component will be incorporated into the curriculum of each Technology Academy course.*

The academy's three strands will offer choices to the students. Academy students will be required to take at least one academy course per year in order to remain in the program. Students will elect courses of interest from one strand only or from more than one strand according to their individual talents, needs, and interests as long as all prerequisites have been met. Furthermore, academy students will be required to work toward earning one of the academy certificates outlined below.

#### **GOLD CERTIFICATE**

The student must:

- ☞ Pass at least six Technology Academy courses.
- ☞ Complete a minimum of two state completer sequences.
- ☞ Earn at least two industry certifications.
- ☞ Complete an exit portfolio.
- ☞ Participate in at least 15-20 hours of approved job shadowing, internship, and/or mentorship activities.
- ☞ Maintain a minimum 3.0 weighted GPA overall.

#### **SILVER CERTIFICATE**

The student must:

- ☞ Pass at least four Technology Academy courses.
- ☞ Complete a minimum of one state completer sequence.
- ☞ Earn at least one industry certification.
- ☞ Complete an exit portfolio.
- ☞ Participate in at least 15-20 hours of approved job shadowing, internship, and/or mentorship activities.
- ☞ Maintain a minimum 2.0 weighted GPA overall.

## Grassfield High School Features and Facilities

**G** rassfield High School is the first high school in the city to have individual grade-level academic “houses” for each grade. Students’ core subject classes are taught in their grade level house and this keeps excessive movement and overcrowding in the halls down to a minimum. The school is on the cutting-edge of technology with the city’s first wireless network for all types of electronic connectivity. Students and staff have access to the latest computer technology. A unique feature of the school is a large forum-like classroom for special presentations and classes. This facility is also available at scheduled times for public meetings. For athletic competitions, the gym has a seating capacity of 2000. This enables not only school division’s athletic contests and events to take place, but also regional events. Another very special athletic feature of the school is an all-weather composite surface track. This is located apart from the football stadium and will host not only local track and field events, but will also provide a perfect venue for major state competitions. There are a number of energy-saving features built into this new school. One of the most ingenious is a system of indirect lighting for the classrooms, which enables diffused sunlight to be directed into the rooms without causing glare. The school features many aesthetic highlights that make the school a warm and inviting place for students, staff and citizens. The cafeteria has been designed in a food court configuration with smaller seating areas and different types of table placement. There are a number of decorated and landscaped common areas inside and outside the building where students and staff gather.

*The mission of Grassfield High School is to empower each student to become a successful member of an ever-changing global society by providing a rigorous, comprehensive educational program enriched with technology in a safe, personalized environment enhanced by parental and community support.*

# GRIZZLIES

Students enrolled in the Technology Academy are full-time Grassfield High School students and may participate or compete in any of the athletic and/or activity programs listed below.

### Athletic Programs

#### Fall

Cheerleading (Varsity and JV)  
Cross Country (Boys and Girls)  
Field Hockey  
Football (Varsity and JV)  
Golf  
Volleyball (Boys Varsity, Girls Varsity and JV)

#### Winter

Cheerleading (Varsity and JV)  
Basketball (Boys and Girls, Varsity and JV)  
Gymnastics  
Indoor Track (Boys and Girls)  
Swimming (Boys and Girls)  
Wrestling (Varsity and JV)

#### Spring

Baseball (Varsity and JV)  
Soccer (Boys and Girls, Varsity and JV)  
Softball (Varsity and JV)  
Tennis (Boys and Girls)  
Track (Boys and Girls)

### Club and Activity Programs

Academic Challenge  
Anchor Club  
Art Club  
A Caring Heart  
Chess Club  
Class Office  
Debate  
DECA  
Drama/Theater Company  
Ecology  
EnerG Dance Team  
FBLA  
FCCLA  
FEA  
Forensics  
French Club  
German Club  
Foreign Language Honor Societies  
Interact Club  
Invisible Children  
Key Club  
Latin Club  
Literary Magazine  
Model United Nations  
Mu Alpha Theta  
National Honor Society  
Physics and Engineering  
Relay for Life  
Spanish Club  
Step Team  
Student Council Association  
TSA  
Tri-Hi-Y  
Hi-Y  
Yearbook





Carolyn Bernard, Principal  
Karen Black, Technology Academy Coordinator



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### Chesapeake Public Schools

The Chesapeake Public School System is an equal educational opportunity school system. The School Board of the City of Chesapeake also adheres to the principles of equal opportunity in employment and, therefore, prohibits discrimination in terms and conditions of employment on the basis of race, sex, national origin, color, religion, age, or disability.