

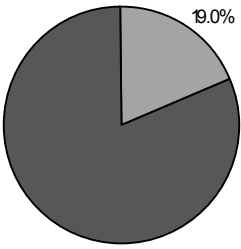
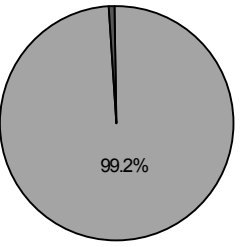
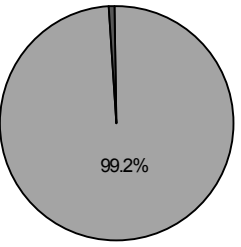
School-Based Programs: High School

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School-Based Programs: High School

Core High School Instruction Program

	FY 2003 Approved		FY 2004 Proposed		Percentage of All Instructional Programs
	School-Based	Nonschool-Based	School-Based	Nonschool-Based	
FT Salaries	\$158,897,748	\$1,118,576	\$167,484,921	\$1,179,659	
PT Salaries and OT	4,320,272	697,321	5,128,872	226,173	
Employee Benefits	40,139,096	333,581	46,242,610	312,842	
Operating Expenses	9,048,211	88,446	8,775,361	85,503	
Total Cost	\$212,405,326	\$2,237,924	\$227,631,764	\$1,804,177	Percentage of Costs that are School-Based 
Positions	3,135.2	15.0	3,192.2	16.0	
Program Total	\$214,643,251		\$229,435,941		
Offsetting Revenue	\$0		\$0		
Net Cost	\$214,643,251		\$229,435,941		Percentage of Costs that are School-Based 
Total Positions	3,150.2		3,208.2		
Number of Schools/Sites		24		24	
Number of Students Served		44,674		45,553	
Supporting Department Mandate	Instructional Services See Below				
Program Contact	Marty Abbott				
Phone Number	703-208-7701				

Description

The direct instructional programs include all disciplines in which instruction is required by the state or is otherwise available to students throughout the school division:

- English/Language Arts/Reading
- Fine Arts
- Foreign Languages
- Health and Physical Education
- Mathematics
- Science
- Social Studies

The high school core program budget includes all the direct costs to educate high school students and operate 21 high school facilities and a portion of 3 secondary schools. The budget for the alternative high schools is described in the alternative instructional program section.

The high school program budget provides funding for 45,553 students in grades 9 through 12 at 21 high schools and 3 secondary schools. There are 1,669 students at 3 alternative high schools and the Landmark

School-Based Programs: High School

Academy. High schools in FCPS range in size from 1,185 students at Marshall High School to 2,714 students in the high school program at Robinson Secondary School. Students are offered a program of instruction in English, mathematics, social studies, science, foreign language, physical education, health, and a range of fine and performing arts and technical studies courses. Thomas Jefferson High School for Science and Technology (TJHSST), a regional magnet school, has a specialized and accelerated curriculum for students selected by a competitive admissions process. Funding for the high school academies, TJHSST, and alternative programs is described in other sections of the program budget.

The number of classroom positions assigned to a high school is determined by formulas approved by the School Board. The average class size is lower for English classes than it is for all other classes, as required by Virginia SOAs. Pupil-teacher ratios are not used to staff secondary, high schools, and alternative high schools; the number of teachers assigned is calculated based on teacher load or the number of students a teacher instructs daily. In FY 2004, a total of 2,648.2 classroom teachers are required for the high school core program. The average systemwide class size is 24.8 students. When librarians, guidance counselors, music, reading, English for speakers of other languages, and physical education teachers are considered, the number of teachers is 3,690.7 with a class size average of 18.1 students.

Goals

English/Language Arts

The English/language arts program is designed to develop students' ability to develop communication skills while reading, writing, listening, and speaking. Students learn to read effectively and develop an understanding and enjoyment of reading. Students learn the major literary types, genres, and traditions of the English language, the structure of English (vocabulary, grammar, and usage), and how to apply this knowledge in their writing and speaking. The process of writing (planning, drafting, revising, editing, and publishing) is included from the early grades. Students learn to acquire and organize information using a variety of tools and methods, including technology, and to write a variety of literary forms.

- All students will gain reading and writing skills and demonstrate high academic achievement
- Students will participate in advanced academic programs for language arts/English

Fine Arts

The fine arts consist of a variety of programs that provide every child in FCPS with a well-rounded, sequential, and comprehensive arts education. Through studies in the fine arts, students will gain essential knowledge as defined by the National Standards for Education in the Arts and The Fine Arts Standards of Learning for Virginia Public Schools.

- The Fairfax County Public Schools (FCPS) Program of Studies will reflect the essential knowledge as defined by the *National Standards for Education in the Arts* and *The Fine Arts Standards of Learning for Virginia Public Schools*
- Students will apply their knowledge and understanding of content and skill development in the arts through performance/production
- FCPS will increase enrollment in all fine arts electives
- Students will use cognitive skills and analytical thinking to develop the ability to evaluate performances and articulate preferences and choices. Connections with art forms in the community and the world will be expanded.

School-Based Programs: High School

Health Education/Physical Education

Health education offers a planned, sequential, K-12 curriculum that addresses the physical, mental, emotional, and social dimensions of health. The curriculum is designed to teach students the information and skills they need to become health literate, maintain and improve health, prevent disease, and reduce health-related risk behaviors.

Physical education offers a planned, sequential K-12 curriculum that provides cognitive content and learning experiences in a variety of activity areas such as: basic movement skills; physical fitness, rhythm and dance; games, team, dual, and individual sports; tumbling and gymnastics. The major emphasis is to provide students with skills, knowledge and competency to lead active healthy lifestyles.

- Students will acquire the skills and information necessary to achieve and maintain a health-enhancing level of physical fitness and wellness

Secondary Foreign Language Programs

The foreign language program consists of a variety of K-12 opportunities to ensure that students acquire the skills necessary for oral and written communication in another language by using the foreign language in meaningful contexts. Students also become aware of cultural similarities and differences within the context of learning a language and understand the influence of other cultures in shaping America. Students develop to their fullest potential by increasing interpersonal and occupational opportunities.

- Students will learn to communicate in a language other than English, understand the culture(s) in which the languages are spoken, and develop insight into their own language and culture in foreign language courses, grade 8-12
- Students whose native language is not English will have the opportunity to demonstrate their knowledge of their native language in speaking and writing and earn two foreign language credits in the foreign language credit program

Mathematics

The mathematics program K-12 is designed to ensure that students learn the fundamental concepts in arithmetic, algebra, geometry, and data analysis. Students also must develop proficiency in reasoning and communicating mathematically, as well as in applying mathematical skills to model and solve real-world problems.

- Students are prepared for college and the workforce by developing competency in mathematics and a variety of problem solving situations, real-world applications, and the use of technology. Advanced programs are available to challenge student and provide college credit.

Science

In the science program, students explore and make discoveries, identify relationships through experimentation, describe and measure with precision, make logical inferences, become knowledgeable about the conceptual themes that undergird the world of science, apply knowledge in science to make informed decisions, and generate solutions to problems.

- High school students achieve a solid base of scientific knowledge in the Life, Earth, and Physical Sciences through inquiry-based instruction and experimentation (experimental design), and through opportunities to apply this knowledge to solve problems

School-Based Programs: High School

- The high school regional science fair provides outstanding science students with the opportunity to have their science projects critiqued and judged by science professionals. Organizational and category awards are given to distinguish high achievement.
- Planetarium field trips to the nine FCPS planetariums are provided to high school students when scheduled by their science teachers. Planetarium programs for the community will also be provided at the nine planetarium sites.

Social Studies

Through the study of history, civics, geography, and economics, students understand themselves as a part of our society. By studying history and civics, they gain a sense of identity that illuminates their own time and place in the human story. Students learn a wide range of models and alternatives for political choices in a complex world. They develop analytical skills, personal integrity and ethical behavior that enable them to become active in a participatory democracy. It is essential that students learn geographic and economic knowledge and skills as the world becomes more interconnected through shared global concerns about economic, political, social, and environmental issues.

- Students gain skills, knowledge, and understanding that result from a comprehensive study of American history, world history, geography, civics, and economics
- Students participate in advanced academic programs for high school social studies
- Students identified as “at-risk” will demonstrate progress in social studies

Accountability Reporting Cycle

In 2002, all programs were in the First Review Phase of QPAS. The Review Reports were broken down by program areas (content areas) for QPAS: English/Language Arts, Fine Arts, Foreign Language, Health and Physical Education, Mathematics, Science, and Social Studies.

State and Federal Mandates

All programs are included in the Virginia State SOQ (Standards of Quality) and SOA (Standards of Accreditation).

Explanation of Costs

The high school core program budget represents 14.0 percent of the total operating budget. The high school core program budget in FY 2004 is \$229.4 million and 3,208.2 positions. The increase in school-based positions is due to membership variability. Funding for part-time and overtime totals \$5.4 million and equates to 235.9 full time equivalents. This funding consists primarily of substitutes for teachers and instructional staff, supplements for teachers, overtime, and hourly funds for office assistants.

Through per pupil allocations for instructional materials, funding is provided for schools to obtain materials that are new to the curriculum and to replace unusable materials and books. These funds are used to purchase: textbooks, workbooks, trade books, and paperbacks; live and consumable science materials; software and CD-ROMs for courses in writing, language, mathematics, or keyboarding; equipment for physical education classes; and maps and globes.

The nonschool-based portion of the budget is \$1.8 million and 16.0 positions. Departmental budget reductions were made to numerous accounts. The high school instruction team provides support to the

School-Based Programs: High School

instructional programs in all high schools according to their specific needs including developing and revising curriculum to reflect School Board and systemwide priorities, state standards, and national research. The team provides teacher training for all new and revised instructional programs related to graduation requirements and the state testing program as well as training for and support of the integration of technology into all curricular areas. Staff development is provided in instructional strategies and methods to meet the needs of diverse student populations in high schools. The team provides K-12 instructional leadership and support to all schools in the areas of art, music, health, physical education, and foreign language including assisting human resources in interviewing, staffing, and scheduling itinerant art, music, ESOL, and foreign language teachers K-12.

Facilities Impact

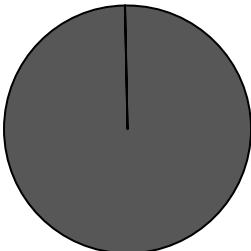
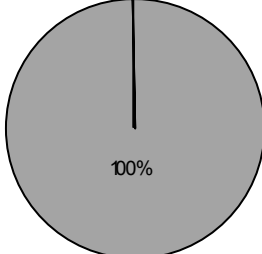
The high school core program is delivered in 24 high schools and centers. Continued enrollment growth and student diversification is requiring a sustained program of new facility construction and renovation. See the trends and issues described in the Department of Facilities Services.

Transportation Impact

Fairfax County Public Schools transports high school students daily in a fleet of buses owned or leased by the school system. Continuing enrollment growth requires sustained expansion of transportation capability.

School-Based Programs: High School

Advanced Placement Diploma High Schools Program

	FY 2003 Approved		FY 2004 Proposed		Percentage of All Instructional Programs
	School-Based	Nonschool-Based	School-Based	Nonschool-Based	
FT Salaries	\$133,993	\$0	\$136,673	\$0	 <p>0.1%</p>
PT Salaries and OT	0	0	0	0	
Employee Benefits	33,569	0	34,241	0	
Operating Expenses	1,300,000	0	1,300,000	0	
			-		
Total Cost	\$1,467,562	\$0	\$1,470,913	\$0	
Positions	2.6	-	2.6	-	
Program Total		\$1,467,562		\$1,470,913	
Offsetting Revenue		\$251,324		\$506,206	
Net Cost		\$1,216,238		\$964,707	
Total Positions		2.6		2.6	
Number of Schools/Sites		15		15	Percentage of Costs that are School-Based
Number of Students Served		10,000		11,200	
Supporting Department Mandate	Instructional Services None				
Program Contact	Bernie Glaze				
Phone Number	703-208-7706				 <p>100%</p>

Description

Students in FCPS high schools are eligible to receive advanced placement (AP) recognition based on FCPS established criteria. The high schools offering this recognition program are: Centreville, Chantilly, Fairfax, Falls Church, Hayfield, Herndon, Lake Braddock, Langley, Madison, McLean, Oakton, West Potomac, West Springfield, Westfield, and Woodson.

Goals

- Provide a rigorous, comprehensive, and balanced program with high standards and challenging external assessments to enhance the achievement of high school students in mathematics, English, social studies, science, fine arts, and foreign languages
- Ensure that all students in AP program schools have access to AP classes

Accountability Reporting Cycle

Review December 2002. Broken into multiple programs (content areas) for QPAS: English/Language Arts, Fine Arts, Foreign Language, Health and Physical Education, Mathematics, Science, and Social Studies.

School-Based Programs: High School

Explanation of Costs

The FY 2004 budget provides \$1.5 million to support the high school AP program. Fifteen high schools receive a 0.17 AP coordinator position to ensure smooth coordination and administration of AP courses and AP tests. The budget includes \$1.3 million to cover the cost of AP test fees and proctoring fees. Offsetting revenue has increased from the FY 2003 Approved Budget due to a divisionwide budget proposal to increase the fees charged to students. Fees are not charged to those on free and reduced-price lunch.

Facilities Impact

None

Transportation Impact

None

School-Based Programs: High School

High School Academies Program

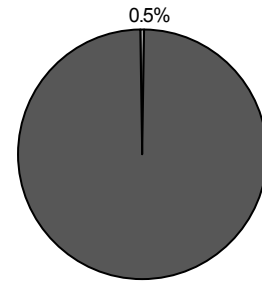
	FY 2003 Approved		FY 2004 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
FT Salaries	\$4,451,067	\$0	\$4,620,279	\$0
PT Salaries and OT	0	0	9,645	0
Employee Benefits	1,115,124	0	1,158,255	0
Operating Expenses	55,296	0	119,328	0
Total Cost	\$5,621,487	\$0	\$5,907,507	\$0
Positions	72.7	-	73.7	-
Program Total	\$5,621,487		\$5,907,507	
Offsetting Revenue	\$0		\$0	
Net Cost	\$5,621,487		\$5,907,507	
Total Positions	72.7		73.7	
Number of Schools/Sites	5		5	
Number of Students Served	2,785		3,100	
Supporting Department Mandate	Instructional Services None			
Program Contact	Diane Pruner			
Phone Number	703-208-7796			

Percentage of All Instructional Programs

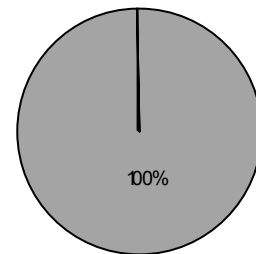
A pie chart with a very thin slice representing 0.5% of the total. The slice is shaded dark gray, and the label '0.5%' is placed just above the slice.

Percentage of Costs that are School-Based

A pie chart where the entire circle is shaded light gray, representing 100% of the costs. The label '100%' is placed in the center of the circle.



Percentage of Costs that are School-Based



Descriptive

A high school academy is a center within an existing high school that offers advanced technical and specialized courses that successfully integrate career and academic preparation. Each academy emphasizes instruction in one or more career fields. Advanced technical and specialized elective courses are available at academies located at Chantilly, Edison, Fairfax, Marshall, and West Potomac High Schools for students interested in pursuing careers in international studies and business; engineering and scientific technology; health and human services; or arts and communications. Enrollment in the academy elective course offerings provides juniors and seniors with career and academic preparation for future learning in college and career fields. Students enrolled in the academy elective courses are provided with opportunities to participate in shadowing, mentoring, and/or internships with local businesses.

Goals

- To provide high school students with access to advanced technical and highly specialized elective courses that are not available in the regular high school program
- To prepare students for either part- or full-time employment following high school graduation and/or to continue with post-secondary studies

School-Based Programs: High School

Accountability Reporting Cycle

Final evaluation report spring 2002

Explanation of Costs

The FY 2004 budget includes \$5.9 million and 73.7 positions. One position was added in FY 2004 due to program growth. The increase in salaries and benefits is due to employee compensation adjustments. Funds for field trips, postage, staff development activities, textbooks, and supplies have been distributed to support the instructional programs in the five high school academies.

Facilities Impact

Academy personnel collaborate with host high school personnel to determine annual space requirements for academy programs.

Transportation Impact

Academy students are transported from their base school to the academies for their instructional programs.

School-Based Programs: High School

International Baccalaureate High School Program

	FY 2003 Approved		FY 2004 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
FT Salaries	\$558,761	\$0	\$572,925	\$0
PT Salaries and OT	110,800	0	113,475	0
Employee Benefits	148,462	0	152,216	0
Operating Expenses	972,189	0	874,250	0
Total Cost	\$1,790,212	\$0	\$1,712,866	\$0
Positions	8.5	-	8.5	-
Program Total	\$1,790,212		\$1,712,866	
Offsetting Revenue	\$142,601		\$287,719	
Net Cost	\$1,647,611		\$1,425,147	
Total Positions	8.5		8.5	
Number of Schools/Sites	8		8	
Number of Students Served	7,676		8,597	
Supporting Department Mandate	Instructional Services None			
Program Contact	Bernie Glaze			
Phone Number	703-208-7706			

Percentage of All Instructional Programs

A pie chart with a very thin slice representing 0.1% of the total. The slice is dark gray, and the rest of the chart is light gray. A label '0.1%' is placed near the thin slice.

Percentage of Costs that are School-Based

A pie chart where the entire circle is dark gray, representing 100%. A label '100%' is placed in the center of the circle.

Description

This program was fully implemented at J.E.B. Stuart and Mount Vernon High Schools in 1994, at Marshall High School in 1998, Edison High School and Robinson Secondary School in 1999, South Lakes in 2000, and Annandale and Lee High Schools in 2001.

The IB Program is available to highly motivated 11th and 12th grade students and focuses on a worldwide perspective. It consists of the following six academic subject areas: English; foreign language through a fifth year; mathematics through calculus; history and social sciences; experimental sciences including biology, chemistry, and physics; and the arts and electives including art, music, theatre arts, computer science, a second foreign language, a second history, social science or experimental science or an advanced mathematics course. IB requires both internal and external assessments for each of these subject areas. Students may participate as either certificate candidates by taking one or more IB courses, or as diploma candidates. IB diploma candidates must take the Theory of Knowledge course, write a 4,000-word extended research essay on a topic of interest to the student, and participate in Creativity, Action, and Service, a service program that includes theatre productions, sports, and community service activities in addition to taking six IB courses and completing the required assessments for each.

School-Based Programs: High School

Goals

- To enhance the intellectual, philosophical, and social development of the student and to provide a rigorous college preparatory curriculum for motivated 11th and 12th grade students
- To offer students the opportunity to earn an IB diploma which often serves as an academic passport to universities around the world, as well as those within the United States

Accountability Reporting Cycle

Review December 2002

Explanation of Costs

The FY 2004 budget provides \$1.7 million and 8.5 positions for the eight high schools that presently have the International Baccalaureate (IB) Program. This includes \$113,475 in part-time hourly funding which represents approximately 5.0 full-time equivalent positions. The hourly funding compensates the IB coordinators during the summer for test evaluation and curriculum development in response to changes to the test. The budget includes approximately \$0.8 million to cover subscription fees and the cost of IB tests. Offsetting revenue increased from the FY 2003 Approved Budget due to a divisionwide budget proposal to increase the fees charged to students. Fees are not charged to those on free and reduced-price lunch.

Facilities Impact

None

Transportation Impact

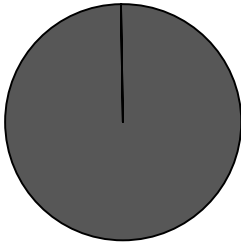
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School-Based Programs: High School

International General Certificate of Secondary Education Program

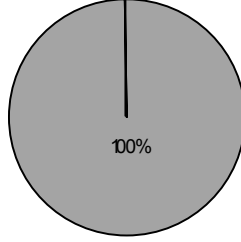
	FY 2003 Approved		FY 2004 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
FT Salaries	\$29,822	\$0	\$0	\$0
PT Salaries and OT	9,861	0	597	0
Employee Benefits	8,226	0	46	0
Operating Expenses	35,501	0	18,291	0
			-	
Total Cost	\$83,409	\$0	\$18,933	\$0
Positions	0.5	-	-	-
Program Total	\$83,409		\$18,933	
Offsetting Revenue	\$0		\$0	
Net Cost	\$83,409		\$18,933	
Total Positions	0.5		-	
Number of Schools/Sites	2		1	
Number of Students Served	800		400	
Supporting Department Mandate	Instructional Services None			
Program Contact	Bernie Glaze			
Phone Number	703-208-7706			

Percentage of All Instructional Programs



0.00%

Percentage of Costs that are School-Based



100%

Description

The International General Certificate of Secondary Education (IGCSE) program is currently located at Hayfield Secondary School. This program is an international advanced academic program for 9th and 10th graders originating through Cambridge University in England. Students are required to take the IGCSE exam at the end of the year.

Goal

- To prepare students in the IGCSE program for either International Baccalaureate (IB) or Advanced Placement (AP) courses in the 11th and 12th grades

Accountability Reporting Cycle

First review fall 2003

School-Based Programs: High School

Explanation of Costs

The FY 2004 budget includes funding of \$18,933 for the IGCSE program at Hayfield Secondary School. Operating expenses includes substitutes, supplies, and staff development. The decrease in positions is due to the elimination of the program in FY 2004 at Annandale High School.

Facilities Impact

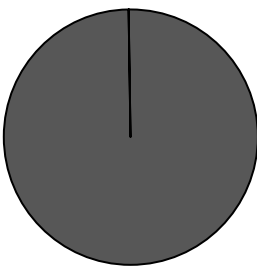
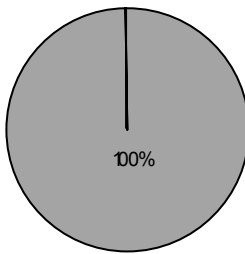
None

Transportation Impact

None

School-Based Programs: High School

Junior Reserve Officers Training Corps (JROTC) Program

	FY 2003 Approved		FY 2004 Proposed		Percentage of All Instructional Programs
	School-Based	Nonschool-Based	School-Based	Nonschool-Based	
FT Salaries	\$876,702	\$0	\$920,929	\$0	 0.1%
PT Salaries and OT	0	0	0	0	
Employee Benefits	219,640	0	230,720	0	
Operating Expenses	0	0	0	0	
Total Cost	\$1,096,342	\$0	\$1,151,649	\$0	
Positions	15.0	-	15.0	-	
Program Total	\$1,096,342		\$1,151,649		
Offsetting Revenue	\$447,705		\$350,000		
Net Cost	\$648,637		\$801,649		
Total Positions	15.0		15.0		
Number of Schools/Sites	7		7		
Number of Students Served	830		843		
Supporting Department Mandate	Agencies outside FCPS None				 100%
Program Contact Phone Number	Marty Abbot 703-208-7701				

Description

Currently seven high schools offer ROTC programs supported by the Navy, Army, Air Force, or Marines. The JROTC program provides a four-year, sequential program of instruction that emphasizes academic preparation, citizenship, leadership, character development, and the scope and nature of the particular military service branch. The program is available to all students in grades 9-12 at their specific school sites and to students who want to take advantage of pupil placement to enroll in the program. The specific military branch contracts with the individual school and the school system to offer this program.

Goals

- To develop student's critical thinking, planning, communication, and organizational skills in combination with a study of the fundamental aspects of American citizenship, map reading, first aid, physical fitness, and an overview of American history
- To promote student learning the dangers of substance abuse and the importance of goal-setting
- To provide opportunities for students to study the customs of a particular branch of military service, consumer education and budgeting, ceremonial drill, and current events
- To promote development of student leadership skills by providing opportunities to solve different types of problems and supervise subordinates

School-Based Programs: High School

Accountability Reporting Cycle

First review fall 2003

Explanation of Costs

The FY 2004 budget includes \$ 1.2 million that is partially offset by \$0.4 million from military funding. Of the fifteen positions allocated for this program, 5.35 of the positions are above the staffing ratios to accommodate this program. Supplies are included in regular school allocations. The FY 2004 estimate for offsetting revenue was reduced approximately \$98,00 based on prior year actual revenue.

Facilities Impact

The local school must provide for all facility modifications and storage needs.

Transportation Impact

None

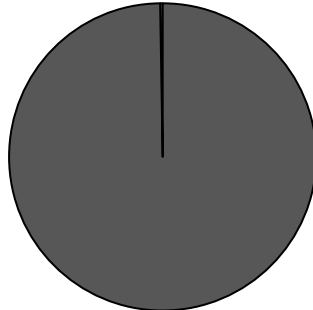
School-Based Programs: High School

Thomas Jefferson High School for Science and Technology

	FY 2003 Approved		FY 2004 Proposed	
	School-based	Nonschool-based	School-based	Nonschool-based
Total Cost	\$3,754,507	\$0	\$3,842,864	\$0
Positions	25.5		25.5	
Program Total		\$3,754,507	\$3,842,864	
Offsetting Revenue		\$2,763,898	\$2,764,596	
Net Cost		\$990,609	\$1,078,268	
Total Positions		25.5	25.5	
Supporting Department Mandate		Instructional Services None		
Program Contact Phone Number		Elizabeth Lodal 703-750-8306		

Percentage of all Instructional Programs

0.3%



Description

Thomas Jefferson High School for Science and Technology (TJHSST) is the Governor's regional magnet school, which is designed to attract and serve selected students with special interests and aptitudes. The school is designed to serve students with special abilities and interests in science, mathematics, and computer science.

Goals

- To offer programs that promote enthusiasm, exploration, and academic excellence in an evolving economic and scientific/technological community
- To serve as a laboratory school examining and developing new methods and materials in curriculum innovation/reform
- To foster a broad exchange of ideas and programming through outreach in teacher training, enrichment for students K-12, and networking
- To serve as a model for private sector/public education partnerships

Accountability Reporting Cycle

The TJHSST admissions program is evaluated annually by the Department of Education Accountability, Office of Program Evaluation.

School-Based Programs: High School

Explanation of Costs

The FY 2004 budget provides \$3.8 million and 25.5 positions, primarily for additional lab teachers and assistants. This cost is offset by approximately \$1.2 million in state funds the school system is expected to receive for additional costs incurred to educate students on a regional basis. Also, an additional \$1.4 million is projected to be received from local school divisions sending students to TJHSST and \$220,000 is projected to be received from admission testing fees, both of which is an additional offset to the total TJHSST operation budget. The increase in the budget is primarily due to compensation adjustments.

Transportation Impact

None

