

School-Based Programs: High School

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Core High School Instruction Program

	FY 2005 Approved		FY 2006 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
FT Salaries	\$178,510,444	\$1,234,358	\$185,846,880	\$1,379,319
PT Salaries and OT	5,476,867	284,937	5,656,756	770,486
Employee Benefits	53,798,958	390,908	59,940,755	500,599
Work Performed for Others	-361,967	0	-456,979	0
Operating Expenses	12,785,633	71,625	9,889,212	113,428
Total Cost	\$250,209,935	\$1,981,828	\$260,876,624	\$2,763,832
<i>Percent of Total</i>	99.2%	0.8%	99.0%	1.0%
Positions	3,310.0	17.0	3,303.0	18.0
Program Total	\$252,191,763		\$263,640,456	
Offsetting Revenue	\$0		\$0	
Net Cost	\$252,191,763		\$263,640,456	
Total Positions	3,327.0		3,321.0	
Number of Schools/Sites	24		25	
Number of Students Served	46,706		46,460	
Supporting Department	Instructional Services			
Mandates	Virginia State Standards of Quality Virginia State Standards of Accreditation			
Program Contact	Jan Leslie			
Phone Number	703-208-7701			
Web site	www.fcps.edu/DIS/OHSICS/index.htm			
Targets	2, 3, 4, 5			
Accountability Reporting Cycle	First Review: Fall 2002 Second Review: Fall 2004			

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

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. Students learn to acquire and organize information using a variety of tools and methods, including technology, and to write in a variety of literary forms.

- Students gain reading and writing skills and demonstrate high academic achievement

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- Students 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 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.

- Students apply their knowledge and understanding of content and skill development in the arts through performance/production
- Students 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.

Health Education/Physical Education

The health education 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. The major emphasis is to provide students with skills, knowledge, and competency to lead active healthy lifestyles.

- Students 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 ensures that students acquire the skills necessary for oral and written communication in another language, become aware of cultural similarities and differences, and understand the influence of other cultures in shaping America.

- Students 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 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 is designed to ensure that students learn the fundamental concepts in computation, 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 challenge students 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 are foundational to the world of science, apply knowledge in science to make informed decisions, and generate solutions to problems. The high school regional science fair

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provides outstanding science students with the opportunity to have their science projects critiqued and judged by science professionals. Planetarium field trips to the nine FCPS planetariums are provided to high school students when scheduled by their science teachers.

- 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.

Social Studies

Through the study of history, civics, geography, and economics, students 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 and develop analytical skills, personal integrity and ethical behavior that enable them to become active in a participatory democracy.

- 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

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 4 secondary schools. The budget for the alternative high schools is described in the alternative instructional program section. 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. 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.

Explanation of Costs

The high school core program budget represents 21.4 percent of the total operating budget. The high school core program budget in FY 2006 is \$266.8 million and 3,321.0 positions. The decrease in school-based staffing is due to a small decline in student membership. The FY 2006 budget includes 25.0 additional high school assessment specialist positions and reflects staffing for the new South County Secondary School scheduled to open in September 2005. Textbook adoption funds are included for science and social studies. Funding for part-time and overtime totals \$6.4 million and equates to 260.6 full-time equivalent positions. 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.

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The nonschool-based portion of the budget is \$2.8 million and 18.0 positions. The high school instruction team provides support to the 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.

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Advanced Placement Diploma High Schools Program

	FY 2005 Approved		FY 2006 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
FT Salaries	\$142,231	\$0	\$146,498	\$0
PT Salaries and OT	0	0	0	0
Employee Benefits	42,531	0	46,908	0
Operating Expenses	<u>1,500,000</u>	<u>0</u>	<u>1,600,000</u>	<u>0</u>
Total Cost	\$1,684,763	\$0	\$1,793,406	\$0
<i>Percent of Total</i>	100.0%	0.0%	100.0%	0.0%
Positions	2.6	0.0	2.6	0.0
Program Total	\$1,684,763		\$1,793,406	
Offsetting Revenue	\$0		\$0	
Net Cost	\$1,684,763		\$1,793,406	
Total Positions	2.6		2.6	
Number of Schools/Sites	15		15	
Number of Students Served	11,760		11,878	
Supporting Department	Instructional Services			
Mandates	None			
Program Contact	Bernadette Glaze			
Phone Number	703-208-7706			
Web site	www.fcps.edu/DIS/OHICS/advepd/advepd.htm			
Targets	3, 5			
Accountability Reporting Cycle	First Review: Fall 2002 Second Review: Fall 2004			

Description

The Advanced Placement (AP) Diploma Program requires students to complete a broad academic program that includes five or more examinations with examination grades of three or higher in certain courses. Students in FCPS high schools who enroll in AP courses are required to take the end-of-course AP examination. This program is offered at the following high schools: Centreville, Chantilly, Fairfax, Falls Church, Hayfield, Herndon, Lake Braddock, Langley, Madison, McLean, Oakton, West Potomac, West Springfield, Westfield, and Woodson. This rigorous program enhances the achievement of high school students in mathematics, English, social studies, science, fine arts, and foreign languages. AP courses are recognized for college credit by many universities in the United States.

Explanation of Costs

Funding for salaries and benefits reflect increases due to compensation adjustments. The increase in operating expenses for the FY 2006 proposed budget is due to an increase in testing fees.

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High School Academies Program

	FY 2005 Approved		FY 2006 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
FT Salaries	\$4,896,776	\$0	\$5,127,323	\$0
PT Salaries and OT	10,370	0	10,974	0
Employee Benefits	1,465,076	0	1,642,604	0
Operating Expenses	132,382	0	142,029	0
Total Cost	\$6,504,605	\$0	\$6,922,930	\$0
<i>Percent of Total</i>	100.0%	0.0%	100.0%	0.0%
Positions	75.4	0.0	75.4	0.0
Program Total	\$6,504,605		\$6,922,930	
Offsetting Revenue	\$0		\$0	
Net Cost	\$6,504,605		\$6,922,930	
Total Positions	75.4		75.4	
Number of Schools/Sites	5		5	
Number of Students Served	3,250		4,000	
Supporting Department	Instructional Services			
Mandates	None			
Program Contact	Diane Pruner			
Phone Number	703-208-7796			
Web site	www.fcps.edu/DIS/OPTS/academy/index.htm			
Targets	7			
Accountability Reporting Cycle	First Review: Fall 2004 Second Review: Fall 2006			

Description

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. Students enrolled in the academy elective courses are provided with opportunities to participate in shadowing, mentoring, and/or internships with local businesses. The program provides high school students with access to advanced technical and highly specialized elective courses that are not available in the regular high school program; prepares students for employment following high school graduation and/or preparation for continuation of post-secondary studies; and increases opportunities for students to successfully pass industry certification and licensure test.

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Explanation of Costs

The FY 2006 budget includes \$6.9 million and 75.3 positions. The increase in salaries and benefits is due to employee compensation adjustments. Part-time hourly and substitute teacher funding of \$10,974 represents approximately a 0.4 full-time equivalent position. Funds for field trips, postage, staff development activities, textbooks, and supplies have been distributed to the academies in order to supplement the instructional materials funding provided to the five high schools in their regular budget funded from per-pupil allocations.

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International Baccalaureate High School Program

	FY 2005 Approved		FY 2006 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
FT Salaries	\$648,290	\$0	\$689,998	\$0
PT Salaries and OT	115,744	0	119,216	0
Employee Benefits	202,713	0	230,057	0
Operating Expenses	1,209,060	0	1,159,724	0
Total Cost	\$2,175,807	\$0	\$2,198,995	\$0
<i>Percent of Total</i>	100.0%	0.0%	100.0%	0.0%
Positions	9.7	0.0	9.7	0.0
Program Total	\$2,175,807		\$2,198,995	
Offsetting Revenue	0		0	
Net Cost	\$2,175,807		\$2,198,995	
Total Positions	9.7		9.7	
Number of Schools/Sites	8		8	
Number of Students Served	9,027		9,113	
Supporting Department	Instructional Services			
Mandates	None			
Program Contact	Bernadette Glaze			
Phone Number	703-208-7706			
Web site	www.fcps.edu/dis/OHSICS/advepd/advepd.htm			
Targets	3, 5			
Accountability Reporting Cycle	First Review: Fall 2002 Second Review: Fall 2004			

Description

This program offered at:

Stuart Mount Vernon Marshall Edison
South Lakes Annandale Robinson

The International Baccalaureate (IB) Program is available to highly motivated 11th and 12th grade students and focuses on a worldwide perspective. 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, in addition to taking six IB courses and completing the required assessments for each. The program enhances intellectual, philosophical, and social development, provides a rigorous college preparatory curriculum, and offers students the opportunity to earn an IB diploma which often serves as an academic passport to universities around the world.

School-Based Programs: High School

Explanation of Costs

Funding for salaries and benefits reflect increases due to compensation adjustments. Part-time hourly funding in the amount of \$119,216 represents the equivalent of 4.8 positions. The operating expenses include funding for subscription fees and tests.

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International General Certificate of Secondary Education Program

	FY 2005 Approved		FY 2006 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
FT Salaries	\$34,371	\$0	\$36,431	\$0
PT Salaries and OT	10,177	0	10,482	0
Employee Benefits	11,056	0	12,467	0
Operating Expenses	<u>35,501</u>	<u>0</u>	<u>35,501</u>	<u>0</u>
Total Cost	\$91,105	\$0	\$94,880	\$0
<i>Percent of Total</i>	100.0%	0.0%	100.0%	0.0%
Positions	0.5	0.0	0.5	0.0
Program Total	\$91,105		\$94,880	
Offsetting Revenue	\$0		\$0	
Net Cost	\$91,105		\$94,880	
Total Positions	0.5		0.5	
Number of Schools/Sites	2		2	
Number of Students Served	1,100		1,112	
Supporting Department	Instructional Services			
Mandates	None			
Program Contact	Bernadette Glaze			
Phone Number	703-208-7706			
Web site	www.fcps.edu/DEA/program_evaluation/qpas/index_qpas.htm			
Targets	3, 5			
Accountability Reporting Cycle	First Review: Fall 2003 Second Review: Fall 2005			

Description

The International General Certificate of Secondary Education (IGCSE) program is offered at Annandale High School and Hayfield Secondary School. This program is an international advanced academic program for 9th and 10th graders that originated through Cambridge University in England. The program prepares students for International Baccalaureate (IB) or Advanced Placement (AP) courses in the 11th and 12th grades. Students are required to take the IGCSE exam at the end of the 10th grade.

Explanation of Costs

Funding for salaries and benefits reflect increases due to compensation adjustments. Part-time hourly funding in the amount of \$10,482 represents a 0.4 full-time equivalent position for both schools.

School-Based Programs: High School

Junior Reserve Officers Training Corps (JROTC) Program

	FY 2005 Approved		FY 2006 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
FT Salaries	\$1,054,295	\$0	\$1,117,002	\$0
PT Salaries and OT		0		0
Employee Benefits	315,266	0	357,663	0
Operating Expenses		0		0
Total Cost	\$1,369,561	\$0	\$1,474,665	\$0
Percent of Total	100.0%	0.0%	100.0%	0.0%
Positions	16.0	0.0	16.0	0.0
Program Total	\$1,369,561		\$1,474,665	
Offsetting Revenue	\$350,100		\$350,100	
Net Cost	\$1,019,461		\$1,124,565	
Total Positions	16.0		16.0	
Number of Schools/Sites	7		7	
Number of Students Served	867		891	
Supporting Department	Agencies outside FCPS			
Mandates	None			
Program Contact	Anthony Casipit			
Phone Number	703-208-7801			
Web site	none			
Targets	7			
Accountability Reporting Cycle	First Review: Fall 2003 Second Review: Fall 2005			

Description

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.

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Programs are offered at the following schools:

High School	ROTC Program
Chantilly	Air Force
Edison	Army
Herndon	Navy
Mt. Vernon	Marines
Hayfield	Army
South Lakes	Army
West Potomac	Army

Explanation of Costs

The FY 2006 budget includes \$1.5 million that is partially offset by \$0.4 million from military funding. Of the 16.0 positions allocated for this program, 5.02 of the positions are above the staffing ratios to accommodate this program. Supplies are included in regular school allocations. The increase in salaries reflects the FY 2006 compensation adjustments.

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Thomas Jefferson High School for Science and Technology

	FY 2005 Approved		FY 2006 Proposed	
	School-Based	Nonschool-Based	School-Based	Nonschool-Based
Total Cost	\$4,008,461	\$0	\$4,549,240	\$0
Positions	25.5	0.0	28.0	0.0
Program Total	\$4,008,461		\$4,549,240	
Offsetting Revenue	\$2,954,705		\$3,177,549	
Net Cost	\$1,053,756		\$1,371,691	
Total Positions	25.5		28.0	
Number of Schools/Sites	1		1	
Number of Students Served	1,691		1,755	
Supporting Department	Instructional Services			
Mandates	None			
Program Contact	Elizabeth Lodal			
Phone Number	703-750-8306			
Web site	http://www.tjhsst.edu/			
Targets	2, 3, 4, 5, 6, 9, 10			
Accountability Reporting Cycle	Evaluation Complete			

Description

Thomas Jefferson High School for Science and Technology (TJHSST) is the Governor's regional magnet school, designed to attract and serve selected students from Fairfax County and other participating school divisions in Northern Virginia. It offers students with special interests and aptitudes a comprehensive college preparatory program emphasizing science, mathematics and technology. Selection for admission is competitive.

Explanation of Costs

The FY 2006 budget provides \$4.5 million and 28.0 positions. This cost is offset by approximately \$1.3 million in state funds the school system is expected to receive for additional cost incurred to educate students on a regional basis. Also, an additional \$1.6 million is projected to be received from local school division sending students to TJHSST and \$0.2 is projected to be received from admission testing fees, both of which are additional offsets to the total TJHSST operation budget. Funding for salaries and benefits reflect increases due to compensation adjustments and an additional 2.5 positions. An admissions director was added at the FY 2005 mid-year budget review, and a 0.5 distance learning teacher and a 1.0 assistant principal are included in the FY 2006 budget as new resources.