

BOARD OF COOPERATIVE EDUCATIONAL SERVICES
REPORT CARD



- Career and Technical Education
- Alternative Education
- Adult Career and Technical Education
- Adult Basic Education
- Special Education
- Professional Development
- Technology Services
- School Library System Services
- 2016-2017** Expenses

2016-2017

Putnam|Northern Westchester BOCES

Putnam|Northern Westchester BOCES
Board of Cooperative Educational Services
2016-2017 Report Card

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Prior editions of the BOCES Report Card included other data representing information on component districts.

The following data were not included in this report.

- ❖ State Testing Program for All Component Districts
- ❖ Graduation Results

Putnam|Northern Westchester BOCES
48900000000

Component Districts

- Bedford CSD
- Brewster CSD
- Briarcliff CSD
- Carmel CSD
- Chappaqua CSD
- Croton-Harmon UFSD
- Garrison UFSD
- Haldane CSD
- Hendrick Hudson CSD
- Katonah-Lewisboro UFSD
- Lakeland CSD
- Mahopac CSD
- North Salem CSD
- Ossining UFSD
- Peekskill City SD
- Putnam Valley CSD
- Somers CSD
- Yorktown CSD

Indicators of BOCES Performance

Career & Technical Education (CTE)

BOCES CTE classes, offered primarily on a half-day basis, prepare high school students from component districts for skilled work force careers. Most CTE programs require two years to complete.

Number of 11th/12th grade students enrolled in a CTE two-year sequence:

First-year students
 Second-year students
 Second-year students completing
 Completers with technical endorsement

General Education Students	Students with Disabilities	General Education Students	Students with Disabilities
2015-16	2015-16	2016-17	2016-17
385	225	538	170
284	165	321	108
284	160	248	115
37	0	158	39

Other Career-Related Programs

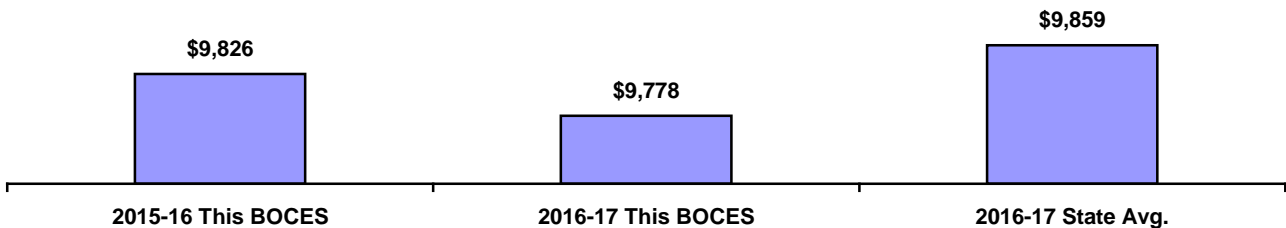
Number of 11th/12th grade students enrolled in one-year programs:

“New Vision”
 Participated 1 yr of a CTE Program
 Other one-year programs

32	2	24	0
76	14	116	30
179	140	130	38

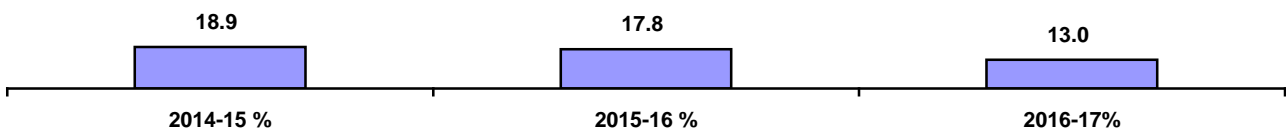
Tuition Per Student for CTE Programs

Data Source: 602 Report



*Number Enrolled in CTE Programs as a Percent of all Juniors and Seniors in Component District High Schools

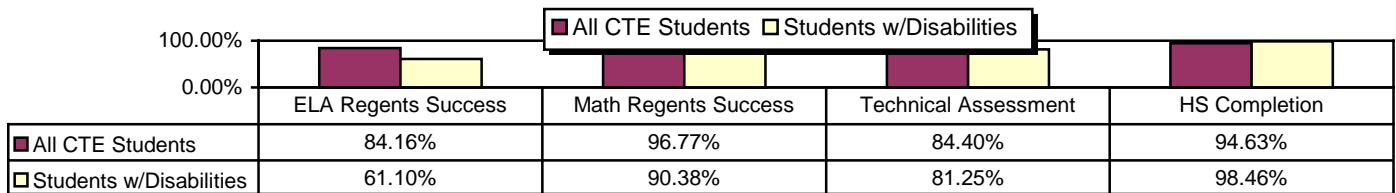
Data Source: SIRS



* Data Include General Education and Students with Disabilities. *Data Source: SIRS*

CTE Student Performance on Perkins Indicators Who Left School in 2016

Data Source: SIRS

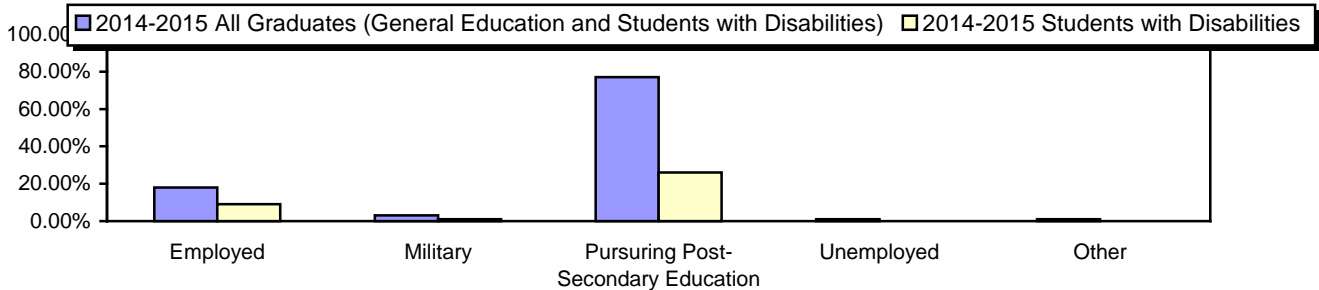


Status of Career and Technical Education (CTE) Students 2016 Placement Outcomes

BOCES Surveys CTE concentrators six months after they last attended their CTE program to determine if they are employed or continuing their education. Data Source: CTE Placement Report
<http://www.p12.nysed.gov/cte/perkins4/docs/RptCardsFinal16-170412116.pdf>

Total Placement

This BOCES	State Target
98.0%	91.5 %



**General Education Development Leading to (GED)
For CTE Students Age 16-18
2016-2017**

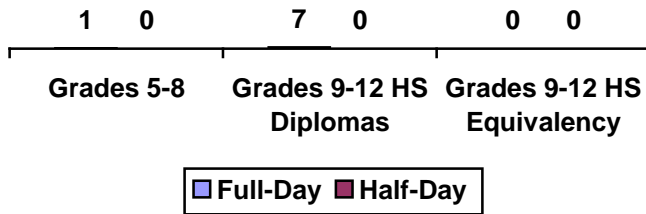
The GED Test Battery is a national examination that is available to adults who did not graduate from high school or whose diplomas may not be recognized by New York State. In New York State, the GED Tests are offered in English, French and Spanish.

	Grades 9-12 Programs Leading GED	
	Half- day	Full- day
Number of students who:		
Enrolled	0	164
Passing Rate of Students Tested	0	25%
Remained / Still Enrolled in the Program	0	116
Left the program and did not enter another district or BOCES program (dropouts)	0	11
Returned to School District:	0	0

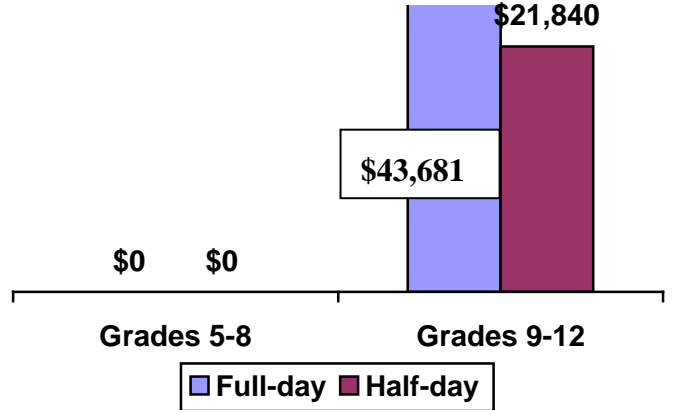
Alternative Education

BOCES operates full-day and/or half-day programs for general-education students who have been identified as having special needs not being met in school district programs. Programs may include academics, vocational skills, work-study, specialized activities or a combination of these. The BOCES Report Card includes alternative education program enrollment and outcome data for students in grades 5 through 8, as well as students in programs leading to high school diplomas or high school equivalency diplomas.

**Alternative Education Program Enrollment
June 30, 2017**



2016-2017 Per Student Tuition



Alternative Education Outcomes

The objective of the alternative education program is to retain students until they graduate or return to a regular school setting. Students counted as leaving programs may have done so for a variety of reasons including relocation, medical problems, childcare, incarceration or entering other education programs.

Number of students who:	Grades 5-8		Grades 9-12 Programs Leading to HS Diploma		Grades 9-12 Programs Leading to HS Equivalency Diplomas	
	Full-day	Half-day	Full-day	Half-day	Half-day	Full-day
Returned to a school district program	2	0	1	0	0	0
Remained in the BOCES program	0	0	3	0	0	0
Left the program and did not enter another district or BOCES program (dropouts)	0	0	1	0	0	0
Received high school diplomas			2	0		

Alternative Education State Testing Program
2016-2017 School Year

State Assessment- Regents Exams	Counts of Students Tested				Percentage of Students Tested		
	Below 55	55-64	65 and Above	Total	Below 55 - Percent	55-64 - Percent	65 and Above - Percent
Integrated Algebra	1	0	0	1	100.0%	0.0%	0.0%
Geometry	0	0	0	0	0.0%	0.0%	0.0%
Algebra 2/ Trigonometry	0	0	0	0	0.0%	0.0%	0.0%
Living Environment	0	1	0	1	0.0%	100.0%	0.0%
Physical Setting/ Earth Science	0	0	0	0	0.0%	0.0%	0.0%
Physical Setting/ Chemistry	0	0	0	0	0.0%	0.0%	0.0%
Physical Setting/ Physics	0	0	0	0	0.0%	0.0%	0.0%
Comprehensive French	0	0	0	0	0.0%	0.0%	0.0%
Comprehensive Italian	0	0	0	0	0.0%	0.0%	0.0%
Comprehensive Spanish	0	0	0	0	0.0%	0.0%	0.0%
Comprehensive Exam in English	1	0	3	4	25.0%	0.0%	75.0%
Global History and Geography	3	1	1	5	60.0%	20.0%	20.0%
United States History and Government	1	1	1	3	33.3%	33.3%	33.3%

**Alternative Education Performance of Students
2016-2017 School Year**

State Assessment- RCT Exams	Counts of Students Tested				Percentage of Students Tested		
	Below 55	55-64	65 and above	Total	Below 55 Percent	55-64 Percent	65 and Above Percent
RCT – Grade 10 Mathematics	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 11 Mathematics	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 12 Mathematics	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 10 Science	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 11 Science	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 12 Science	0	0	1	1	0.0%	0.0%	100.0%
RCT – Grade 10 Global Studies	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 11 Global Studies	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 12 Global Studies	0	0	1	1	0.0%	0.0%	100.0%
RCT – Grade 11 Reading	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 12 Reading	0	0	1	1	0.0%	0.0%	100.0%
RCT – Grade 11 Writing	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 12 Writing	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 11 United States History & Gov't.	0	0	0	0	0.0%	0.0%	0.0%
RCT – Grade 12 United States History & Gov't.	0	0	1	1	0.0%	0.0%	100.0%

Adult Career and Technical Education (CTE)

Adult CTE programs enhance academic and workplace skills and enable participants to gain employment or career advancement. *Data Source: ASISTS*

	This BOCES		BOCES Statewide Average
	Count	Percentage	
All CTE Programs			
Enrolled during 2015-16	75	--	--
Continuing Enrollment after 2015-16	16	21.3%	16.1%
Completed or Left During 2015-16	59	78.6%	84.9%
Left Prior to Completion During 2015-16	11	14.6%	13.5%
Completed by the End of 2015-16	48	64.0%	87.3%
Completed or Left During 2015-16 and Status Known	52	69.0%	71.3%
Completed/Left/Status Known and Successfully Placed*	48	64.0%	77.1%
Completed but Not seeking Employment	3	4.0%	3.2%
Non-Traditional CTE Programs			
Enrolled in Non-Traditional Programs During 2015-16	4	--	--
Under-Represented Gender Members Enrolled During 2015-16	4	--	--
Completed a Non-Traditional Program By the End of 2015-16	4	100.0%	78.0%
Under-Represented Gender Members Who Completed	4	100.0%	78.2%

* Successfully Placed means placed in employment, the military or in additional education.

Adult Basic Education

Based on data reported for the National Reporting System (NRS) for adult education programs, enrollment in adult basic education programs for 2016-2017 was 866.

Educational Gain

Under the NRS, educational gain is the primary goal for students in adult beginning/intermediate programs, adult secondary (low) programs, and in English for speakers of other languages programs. Students are counted as achieving educational gain if they exceed established reference points in their standardized test scores between enrollment and re-testing.

Educational Program	Enrollment			Educational Gain					
	2014-15	2015-16	2016-17	2014-15		2015-16		2016-17	
					Percent		Percent		Percent
Adult Beginning/Intermediate	77	133	136	60	65%	78	59%	73	54%
Adult Secondary (Low)	16	16	15	14	88%	14	88%	12	80%
ESOL	495	678	677	345	70%	408	60%	490	72%

Other Outcomes (2014-15 through 2016-17)

The following outcome measures are consistent with the National Reporting System (NRS) for adult education. Students in adult secondary (high) programs are considered to have a primary goal of obtaining a secondary or high school equivalency diploma. For all other outcomes, the student achievements correlate to the students indicating those goals at intake.

Other Outcomes	Students with Goal			Students Achieving Goal					
	2014-15	2015-16	2016-17	2014-15		2015-16		2016-17	
					Percent		Percent		Percent
Entered employment	5	4		4	80%	4	100%	0	0%
Retained employment	14	16		14	100%	14	88%	0	0%
Obtained secondary or HS equivalency diploma	48	78		38	79%	48	61%	20	77%
Entered post-secondary education or training	45	59	26	37	82%	44	7%	16	73%

Special Education

Special Education Enrollment and Tuition

When placing students, districts select among classrooms with different student/staff ratios consistent with each student's Individualized Education Program (IEP). The following are four of the alternatives:

- ❖ 12 students per teacher plus one paraprofessional (12:1:1)
- ❖ 6 students per teacher plus one paraprofessional (6:1:1)
- ❖ 12 students per teacher plus four paraprofessionals (12:1+1:3)
- ❖ 8 students per teacher plus 1 paraprofessional (8:1:1)
- ❖ 15 students per teacher plus 1 paraprofessional (15:1:1)
- ❖ 6 students per teacher plus 2.5 paraprofessional (6:1:2.5)

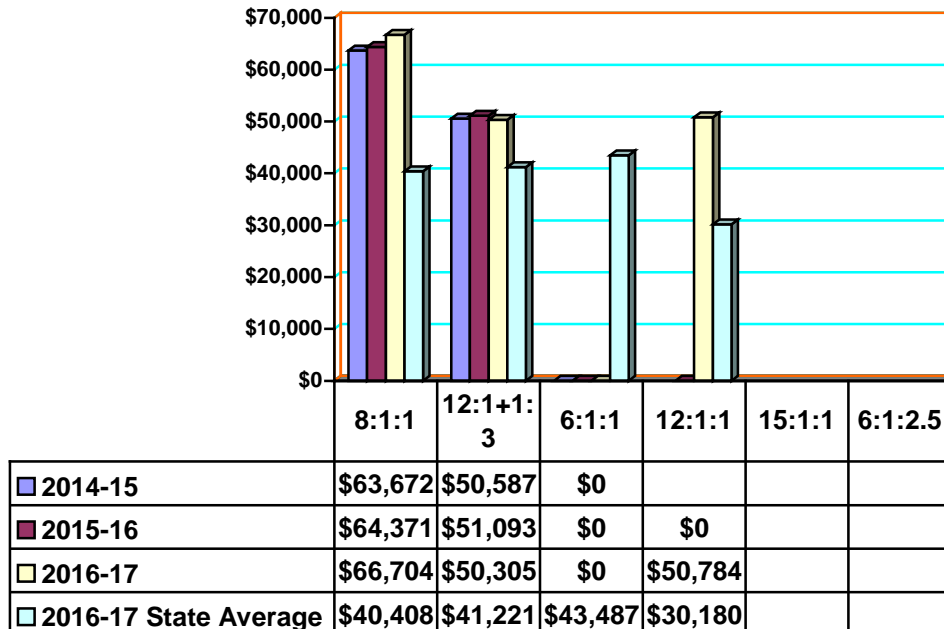
An addendum of enrollment and tuition information will be attached to this report if this BOCES provides other options of student/staff ratios.

Tuition rates exclude the costs of related services, preschool and summer school programs. BOCES with multiple tuition rates for a program have calculated an average rate. *Data source: 602 Report*

Enrollment Trends

	2014-15	2015-16	2016-17
8:1:1	189	190	173
12:1+1:3	160	157	108
6:1:1	0	0	0
12:1:1	0	0	76
15:1:1	0	0	0
6:1:2.5	0	0	0

Tuition Rates Per Student 2014-15 through 2016-17



Special Education State Testing Program 2016-2017 School Year

These data are results of State assessments for students enrolled in BOCES programs.

Data Source: *nySTART*

State Assessment	Counts of Students Tested					Percentage of Students Tested		No Valid Score
	Level 1	Level 2	Level 3	Level 4	Total	Level 2-4	Level 3-4	
						Percent	Percent	
Grade 3 English Language Arts	6	1	0	0	7	14.3%	0.0%	0
Grade 4 English Language Arts	2	0	0	0	2	0.0%	0.0%	0
Grade 5 English Language Arts	3	2	0	0	5	40.0%	0.0%	0
Grade 6 English Language Arts	2	1	0	0	3	33.3%	0.0%	0
Grade 7 English Language Arts	6	2	0	0	8	25.0%	0.0%	0
Grade 8 English Language Arts	3	1	1	0	5	20.0%	20.0%	0
Grade 3 Mathematics	3	1	0	0	4	25.0%	0.0%	0
Grade 4 Mathematics	2	0	0	0	2	0.0%	0.0%	0
Grade 5 Mathematics	5	0	0	0	5	0.0%	0.0%	0
Grade 6 Mathematics	3	0	0	0	3	0.0%	0.0%	0
Grade 7 Mathematics	9	1	0	0	10	10.0%	0.0%	0
Grade 8 Mathematics	3	0	1	0	4	0.0%	25.0%	0

Level 4	These students exceed the standards and are moving toward high performance on the Regents examination.
Level 3	These students meet the standards and, with continued steady growth, should pass the Regents examination.
Level 2	These students need extra help to meet the standards and pass the Regents examination.
Level 1	These students have serious academic deficiencies.

Special Education State Testing Program (cont'd.)
2016-2017 School Year

State Assessment- Regents Exams	Counts of Students Tested				Percentage of Students Tested		
	Below 55	55-64	65 and Above	Total	Below 55 - Percent	55-64 - Percent	65 and Above - Percent
Integrated Algebra	3	2	10	15	20.0%	13.3%	66.7%
Algebra 1	0	0	0	0	0.0%	0.0%	0.0%
Geometry	0	0	0	0	0.0%	0.0%	0.0%
Algebra 2	0	0	0	0	0.0%	0.0%	0.0%
Algebra 2/ Trigonometry	0	0	0	0	0.0%	0.0%	0.0%
Living Environment	2	5	4	11	18.2%	45.6%	36.2%
Physical Setting/ Earth Science	6	0	4	10	60.0%	0.0%	40.0%
Physical Setting/ Chemistry	0	0	0	0	0.0%	0.0%	0.0%
Physical Setting/ Physics	0	0	0	0	0.0%	0.0%	0.0%
Comprehensive French	0	0	0	0	0.0%	0.0%	0.0%
Comprehensive Italian	0	0	0	0	0.0%	0.0%	0.0%
Comprehensive Spanish	0	0	0	0	0.0%	0.0%	0.0%
Comprehensive Exam in English	0	0	0	0	0.0%	0.0%	0.0%
Regents ELA	4	2	20	26	15.4%	7.7%	76.9%
Global History and Geography	11	10	4	25	44.0%	40.0%	16.0%
United States History and Government	12	2	7	21	57.1%	9.6%	33.3%

**Students with Severe Disabilities Performance on the
New York State Alternate Assessments
2016-2017 School Year**

State Assessment	Counts of Students Tested					Percentage of Students Tested		No Valid Score
	Level 1	Level 2	Level 3	Level 4	Total	Level 2-4 Percent	Level 3-4 Percent	
Grade 3 English Language Arts	0	4	2	0	6	100.0%	33.0%	0.0%
Grade 4 English Language Arts	0	4	7	0	11	100.0%	63.6%	0.0%
Grade 5 English Language Arts	4	0	6	1	11	63.4%	63.4%	0.0%
Grade 6 English Language Arts	0	4	8	0	12	100.0%	66.7%	0.0%
Grade 7 English Language Arts	5	7	5	1	18	72.2%	33.3%	0.0%
Grade 8 English Language Arts	4	2	6	0	12	66.7%	50.0%	0.0%
High School English Language Arts	4	3	1	0	8	50.0%	12.5%	0.0%
Grade 3 Mathematics	0	3	3	0	6	100.0%	50.0%	0.0%
Grade 4 Mathematics	2	3	6	0	11	81.8%	55.0%	0.0%
Grade 5 Mathematics	4	3	4	0	11	63.6%	36.4%	0.0%
Grade 6 Mathematics	1	5	6	0	12	91.6%	50.0%	0.0%
Grade 7 Mathematics	5	10	3	0	18	72.2%	16.7%	0.0%
Grade 8 Mathematics	2	6	3	1	12	83.3%	33.3%	0.0%
High School Mathematics	3	4	1	0	8	62.5%	12.5%	0.0%

Level 4	These students exceed the standards and are moving toward high performance on the Regents examination.
Level 3	These students meet the standards and, with continued steady growth, should pass the Regents examination.
Level 2	These students need extra help to meet the standards and pass the Regents examination.
Level 1	These students have serious academic deficiencies.

Professional Development 2016-2017 School Year

The data in this chart is from BOCES-sponsored professional development and offered by Instructional Support Divisions.

BOCES provided training in the following areas:	Number of Participants:									
	Districts		Teachers		Paraprofessionals		Principals		Other	
	Full Day	Half Day	Full Day	Half Day	Full Day	Half Day	Full Day	Half Day	Full Day	Half Day
Common Core Learning Standards	7	0	10	0	0	0	0	0	0	0
Data-Driven Instruction	17	0	78	0	4	0	2	0	2	0
Lead Evaluator Training	15	0	8	0	0	0	114	0	40	0
Principal Evaluator Training	12	0	0	0	0	0	0	0	44	0
Integrating Technology into Curricula & Instruction	54	18	411	85	2	8	24	2	58	6
Project Based Learning	8	0	23	0	0	0	0	0	2	0
College & Career Readiness	18	0	0	0	0	0	0	0	0	1500
Career and Technical Education	0	0	0	0	0	0	0	0	0	1500
Middle Level Education	0	0	0	0	0	0	0	0	0	0
Positive Youth Development	7	0	7	0	1	0	0	0	4	0
Instructional Strategies	55	37	3690	887	24	39	161	37	155	84
Parent Training	0	0	0	0	0	0	0	0	0	0
Special Education Issues	54	15	823	25	38	12	0	2	54	6
(RSE-TASC) Regional Special Education Technical Assistance Support	112	0	668	0	171	0	191	0	1,599	0
(SE-SIS) Special Education School Improvement Specialist	10	10	175	296	25	120	6	81	10	74
RBE-RN	0	0	0	0	0	0	0	0	0	0
Leadership Training	150	118	192	97	1	2	271	100	310	322
ECE Training (Early Childhood)	0	0	0	0	0	0	0	0	0	0
Professional Practice (APPR)	2	3	8	96	0	0	0	0	23	154
Culture/Climate	70	47	276	0	32	13	16	22	403	85
School & District Planning	27	37	246	41	2	4	27	20	83	37
Response to Intervention	0	0	0	0	0	0	0	0	0	0
Data Management and Analysis	0	29	0	0	0	0	0	6	0	61
Learning Standards (ELA, MST, etc.)	55	22	1252	17	11	3	34	19	18	21
Interdisciplinary Teaching (including integration of career technology & academics)	12	0	318	0	2	0	0	0	51	0
Other	86	45	331	68	169	117	19	4	97	37



Technology Services 2016-2017 School Year

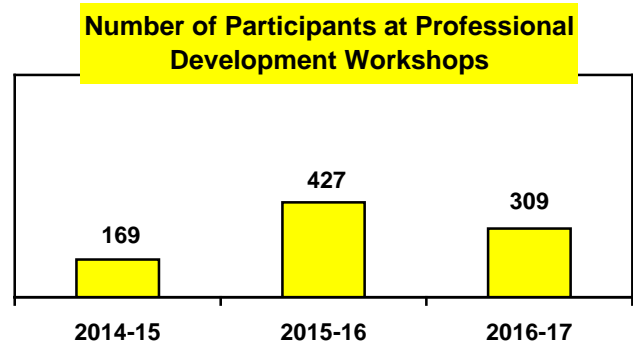
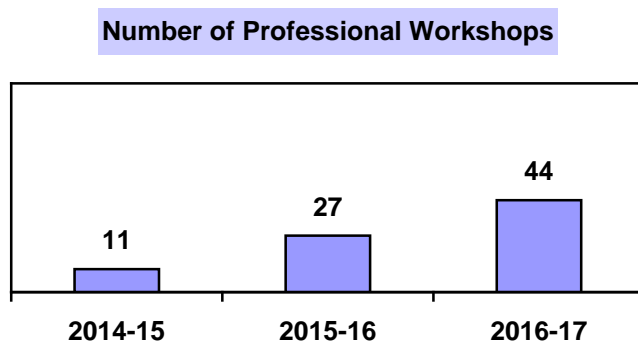
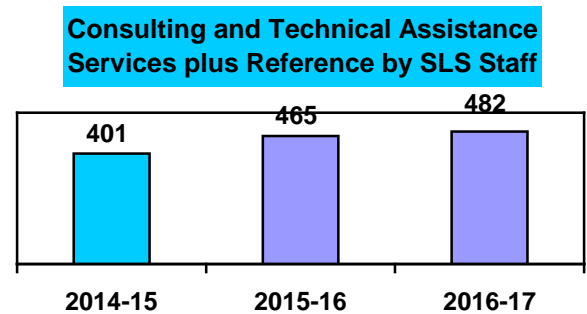
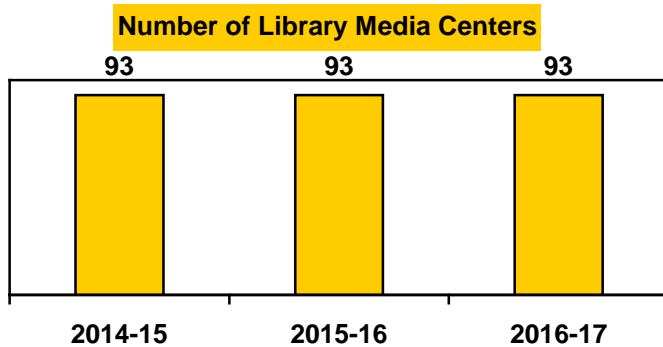
Please indicate if the service was provided by BOCES or Regional Information Center (RIC) by placing a X in the correct column.

BOCES provides technology services to district and BOCES staff and students.	Districts / Number of District Staff	Number of BOCES Staff	Students	Provided by the BOCES	Provided by the RIC
Distance Learning	20/7	2	123	x	
Instructional Computing	0/0	134	1664	x	
Computer/Audio Visual Repair	0/0	551		x	
Library Automation/Software	18/4174	2	53,779	x	
LAN Installation/Support	0/0	551	1664	x	
Distributed Process Technicians	0/0	0	0		
Guidance Information	0/0	0	0		
Administrative Computer Services	0/0	551		x	
Administrative Training	0/0	127		x	
Instructional Media Resources	18/4174	2	53,779	x	
Model Schools	0/0	0	0		
Other Student Instructional Support	0/0	0	0		



School Library Systems (SLS)

School Library Systems are state-aided programs set forth in Education Law and regulations of the Commissioner of Education. Each BOCES acts as the educational agency that sponsors the program to provide vital library and information resources to public and nonpublic schools. Each system operates under an approved long range plan of service. Some of the key functions of SLS are: to provide leadership and training through professional development activities; enrich the NYS Learning Standards by providing information literacy awareness and skills; facilitate resource-sharing among its member school libraries; promote advances in technology for information storage and retrieval; focus on cooperative collection development of member school library materials; address the information needs of special client groups; and participate in regional library issues with the public, academic, special and other school libraries. Students, teachers and administrators in each BOCES service area benefit from the programs and services of the school library system. *Data Source: SLS Annual Report*



2016-2017 Expenses

Data Source: SA111, schedule 2A

Administrative Expenses.....	\$	8,460,598.37
Capital Expenses.....	\$	201,000.00
Total Program Expenses.....	\$	99,383,063.24
Total Expenses.....	\$	108,044,661.61

