



2012 – 2013

School Assessment Report

August 12, 2013

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OVERVIEW

The assessment system utilized by Middle Bucks Institute of Technology is designed to determine the degree to which students are achieving academic and occupational standards. In addition, it is designed to measure other performance indicators including enrollment, attendance, placement, and student perception.

The assessment is used to improve curriculum, instruction and other variables impacting student achievement. The assessment system uses a variety of assessment strategies including standardized achievement tests, surveys and student accounting data.

Specifically, the assessment system includes measurement of the following performance variables:

PERFORMANCE VARIABLE	MEASUREMENT
1. Student Enrollment - Secondary	October 1 – Enrollment Report
2. Student Enrollment – Adult	End-of-Year Report
3. Student Attendance	Average Daily Membership Records
4. Student Occupational Achievement	NOCTI - Industry Certification Report
5. Student Academic Achievement	PSSA/Keystone Exams
6. Student Placement	Senior Survey
7. Student Perception	Student Climate Survey

The assessment system has been developed and will be modified as required to comply with federal and state regulations and local planning mandates.

Section 1 – Secondary Enrollment

Date	Enrollment Number Trend	Percentage Change
October 1, 2012	824	2.9%
October 1, 2011	801	5.4%
October 1, 2010	760	-12.9%
October 1, 2009	813	-7.3%
October 1, 2008	877	-2.9%
October 1, 2007	903	-2.8%
October 1, 2006	929	4.6%
October 1, 2005	888	0.0%
October 1, 2004	888	-2.3%
October 1, 2003	909	4.6%
October 1, 2002	869	1.4%
October 1, 2001	857	2.9%

Includes BCIU program and Adult Students

Secondary Enrollment – By District

District	MBIT Totals	%	General Population (gr. 10-12)	% Draw
Central Bucks	434	55.1%	4,522	9.6%
Centennial	208	26.4%	1,442	14.4%
Council Rock	124	15.8%	3,026	4.1%
Neshaminy	1	0.1%	1	100%
New Hope- Solebury	20	2.5%	380	5.3%
Total	787	100.0%	9371	8.4%

Data does not include BCIU program and Adult Students

Secondary Enrollment – Special Needs Population

	MBIT Totals	Special Needs IEP / Disadvantaged	% Sp. Needs (per District)
Central Bucks	434	207	47.7%
Centennial	208	72	34.6%
Council Rock	124	68	54.8%
New Hope- Solebury	20	11	55.0%
TOTAL	787	359	45.6%

Data does not include BCIU program and Adult Students

Secondary Enrollment – Withdraw Report by Level

Withdraw By Level	
Level	Number Withdrawn
100	47
200	24
300	7
TOTAL	78

Secondary Enrollment - Withdraw Rate – Historical

Year	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
TOTAL	104	90	87	73	82	81	78

Secondary Enrollment – Withdraw Report by Reason

Reason	Number Withdrawn
Academic	0
Alternative Placement	10
Attendance	4
Behavior Issue	0
Change in Career Plans	7
Cyber/ Charter School	1
Dissatisfied with Program	0
Expelled from Sending School	1
Facility	2
GED	2
Graduated	9
Moved Out of District	4
On-line Classes	1
Quit School	0
Returned to Sending School	37
	78

Section 2: Academic Achievement Scores – PSSA

2006-2013 Reading PSSA Data

Year	Percentage of Students Earning Proficient or Advanced
2006-2007	48%
2007-2008	57%
2008-2009	54%
2009-2010	52%
2010-2011	55%
2011-2012	65%
2012-2013	56%

Note: State average of part-time CTE student proficiency is 43.4%

2006-2013 Math PSSA Data

Year	Percentage of Students Earning Proficient or Advanced
2006-2007	39%
2007-2008	49%
2008-2009	43%
2009-2010	39%
2010-2011	49%
2011-2012	45%
2012-2013	41%

Note: State average of part-time CTE student proficiency is 33.5%

Section 3: Occupational Achievement Scores – NOCTI

Year	Tests			Competency Awarded		PA Skills Certificate Awarded		Composite Comp/Adv	
	Administered	Completed	Rate	Number	Rate	Number	Rate	Number	Rate
2003	142	138	97%	N/A	N/A	75	54%	N/A	N/A
2004	158	149	94%	N/A	N/A	83	52%	N/A	N/A
2005	125	109	87%	N/A	N/A	85	68%	N/A	N/A
2006	153	150	98%	N/A	N/A	82	54%	N/A	N/A
2007	125	120	96%	N/A	N/A	51	41%	N/A	N/A
2008	140	128	91%	16	11%	56	40%	72	51%
2009	213	206	97%	36	17%	98	46%	134	63%
2010	217	217	100%	31	14%	118	54%	149	69%
2011	214	212	99%	44	21%	131	62%	175	83%
2012	188	188	100%	45	24%	130	69%	175	93%
2013	221	221	100%	34	15%	162	74%	196	89%

Section 4: Industry Certifications - Historical

Year	Industry Certifications Earned
2003-04	222
2004-05	691
2005-06	509
2006-07	617
2007-08	721
2008-09	1000
2009-10	954
2010-11	1119
2011-12	1077
2012-13	1207

Section 5: Attendance Data

School District	12-13
Central Bucks	90.41%
Centennial	87.95%
Council Rock	89.52%
New Hope-Solebury	83.96%
Average Daily Membership	89.06%

Section 6: MBIT Draw from Total District Population – Historical

School District	2012-13	2011-12	2010-11	2009-10	2008-09	2007-08	2006-07
Central Bucks	9.6%	8.0%	7.9%	8.5%	8.4%	9.8%	10.0%
Centennial	14.4%	14.4%	12.4%	13.6%	14.9%	14.9%	16.7%
Council Rock	4.1%	3.7%	4.1%	4.5%	4.4%	4.5%	5.0%
New Hope Solebury	5.3%	5.4%	4.2%	7.9%	6.0%	6.2%	6.1%

Note: Total population represents 10th – 12th grades

Section 7: Placement Data

Students in Work-Based Experiences	
Cooperative Education Placements	85
Paid Internships	12
Participating Employers	47
Employment Opportunities filled by MBIT Students	85

Post Secondary Plans
72% - Post-secondary education (2 or 4 year program)
<ul style="list-style-type: none"> ○ 59% - Plan to study a college program related to MBIT training (-23%) ○ 65% - Bucks County Community College (+ 7%) ○ 10% - Penn College of Technology
27% - Full-time Employment
47% - Part-time Employment
5% - Military

Section 8: Adult and Industry Education Enrollment

Adult Evening School Enrollment History 2006-2013			
School Year	Fall Enrollment	Spring Enrollment	School Year Total
2007-08	267	308	575
2008-09	257	284	541
2009-10	274	321	595
2010-11	232	314	546
2011-12	346	335	681
2012-13	275	276	551

Adult Day School Enrollment History 2006-2013	
School Year	School Year Total
2007-08	21
2008-09	28
2009-10	28
2010-11	14
2011-12	17
2012-13	10

Industry Education Report 2012-2013

Course	Company	Enrollment
Emissions Re-Certification	John Kennedy Ford	5
	McCafferty Ford	10
	M & M Auto	1
	Barry Luff Auto Repair	2
	Linbley Auto Alignment	2
	Vanderlely's Auto	2
	Cunningham's Automotive Repair	2
	Rick Steele's Gulf	3
	J & J Automotive	3
	Fred Beans	14
	Keenan Motors	4
	Bill Marsh Ford	3
	Emissions Certification	Thompson Toyota
Gredones Auto Inc.		3
A to Z Auto Center		1
Keenan Motors		1
R & R service Group		1
Auto Collision	J & J Auto	2
Basic Auto Technology	Fred Beans	1
PLC Concepts	Ultra Pak	1
	Johnson & March Systems	1
Introduction to Precision Machining	Milton Roy	1
	Eagle Stainless	2
Introduction to CNC	Eagles Stainless	1
	Office of Vocational Rehab	1
Solidworks	Havis	1
Introduction to Heat Systems	Young & Bowman	1
	Silver Springs School	1
	Paparo Painting	1
Introduction to Air Conditioning	Young & Bowman	1
Welding	3-C Drilling	2
	Carp Excavating	2
	New Hope & Ivyland Railroad	3
TOTAL INDUSTRY TRAINING		80 STUDENTS

Section 9: School Climate (Student Perception)

Curriculum and Instruction

92% - Instruction was well planned with a balance of theory and lab experiences -3%

94% - Lessons were challenging and kept students' interest

95% - Students felt encouraged by staff to do their best and got help when needed -1%

89% - Homework was assigned on a regular basis -5%

94% – Learned a lot and enjoyed their Program of Study at MBIT -2%

School Climate

94% - MBIT students feel safe at MBIT -2%

74% - MBIT students are friendly and respect one another -4%

Safety

96% - Classroom and Labs provide a safe and clean environment +1%

92% - School rules are enforced to ensure a safe and positive environment -4%

87% - Efforts are made to reduce harassment and bullying -3%

98% - Safety was emphasized in the classroom and lab

Drug and Alcohol Use

14% - Have used illegal drugs or prescription medication not prescribed to them -3%

22% - Have consumed alcohol +1%

5% - Have been under the influence of an illegal drug or alcohol while at MBIT -2%

12% - Have witnessed drugs being sold or distributed at MBIT +2%

11% - Have direct knowledge of a students bringing a weapon to school +2%

Recruitment – How Do Students Hear About Middle Bucks?

55% - Friends

46% - Open House +1%

36% - Sending School Guidance Counselor (Middle School) +3%

32% - Presentation by MBIT Staff +5%

29% - Sending School Guidance Counselor (High School) -2%

19% - Siblings +1%

10% - Mailings -3%

4% - Social Media - NEW

Section 10: School Climate (Staff Perception)

School Administration

- 94% - Administration effectively communicates goals and objectives +1%
- 88% - Administration responds appropriately to concerns brought to their attention +4%
- 87% - Staff feel well informed about what is expected from their job performance -5%
- 88% - Staff feel they receive training necessary to do a quality job -8%
- 54% - Students are disciplined effectively +2%

Guidance

- 63% - Guidance Counselor is available to meet students as requested -33%
- 89% - Special Needs Coordinators are available to meet student as requested -8%

Operations

- 99% - Payroll issues & purchase order requests are addressed efficiently -1%
- 100% - Secretarial staff are professional and efficient
- 98% - IT Department responds efficiently to requests -1%
- 96% - Maintenance Department responds efficiently to requests -3%
- 87% - Building is kept clean -9%
- 96% - School grounds are well maintained -1%
- 96% - First Aid is handled efficiently -3%
- 52% - ISO is an effective tool -10%
- 67% - Marketing strategies are effective and promote the growth of our programs -13%
- 96% - Overall satisfaction with the services MBIT offers to the students NEW

Safety

- 100% - Safety committee is proactive in dealing with security issues

Section 11: Summary

Strengths:

- Secondary enrollment increased 2.9% over the previous school year or 8.3% within the past 2 years
- NOCTI Scores 89% Proficient or Advanced
 - 74% of students scored Advanced
 - 15% of students scored Proficient
- Students earned a total of 1207 industry recognized certifications during the 2012-13 school year
- Students responded positively to school climate, quality of instruction and safety
- Students cited friends (55%) and Open House (46%) as primary recruitment sources
- Middle School Guidance Counselors (3%) and Presentations by MBIT Staff (5%) increased over the previous school year as recruitment sources
- 72% of MBIT students plan to continue on to post secondary education
 - 65% plan to attend BCCC
 - 10% plan to attend Penn College of Technology
- Adult Education earned a profit of \$15,226 during the 2012-13 school year
- Li'l Bucks earned a profit of \$32,350 during the 2012-13 school year

Opportunities for Improvement:

- 74% of students feel MBIT students are friendly and respect one another; down 4%
- 59% of students plan to study a college program related to their MBIT training; down 23%
- 54% of staff feel students are disciplined effectively
- 63% of staff feel the Guidance Counselor is available to meet with students; down 33%
- 52% of staff feel ISO is an effective tool; down 10%
- 67% of staff feel marketing strategies are effective; down 13%