

The New York State Accountability Report 2011-12

SCHOOL:	MAHOPAC MIDDLE SCHOOL
SCHOOL ID:	480101060004
DISTRICT:	MAHOPAC CENTRAL SCHOOL DISTRICT
DISTRICT ID:	480101060000
PRINCIPAL:	IRA GURKIN
SUPERINTENDENT:	THOMAS MANKO
PHONE:	845-621-1330

Data in this report are those reported by districts in the Student Information Repository System as of August 24, 2012.

On May 29, 2012, the United States Department of Education (USDE) approved New York's Elementary and Secondary Education Act (ESEA) waiver. This waiver provides New York with increased flexibility to help close the achievement gap and assist students in becoming college and career ready. New York's waiver introduced a system of identifying districts and/or schools as **Reward, Focus,** or **Priority**, based on performance in English language arts (ELA), mathematics, and science at the elementary/middle level and in ELA, mathematics, and graduation rate at the secondary level. More information on the waiver is available at http://www.p12.nysed.gov/esea-waiver/.

Data in The New York State Accountability Report are those used to determine **Performance Indices (PIs)** and make **Adequate Yearly Progress (AYP)** determinations which, in turn, are used to assist in identifying districts and schools as Reward, Focus, and Priority. Explanations of how the data are used to make the determinations are available at http://www.p12.nysed.gov/accountability/ESEAMaterials.html.

More Information: Office of Accountability New York State Education Department 55 Hanson Place Brooklyn, NY 11217 Email: accountinfo@mail.nysed.gov

Adequate Yearly Progress and Performance Indices

Performance Indices (PIs) and Unweighted Combined PIs are used to determine if a district or school is Priority or Focus. Adequate Yearly Progress (AYP) for accountability groups (all students, racial/ethnic groups, students with disabilities, limited English proficient students, and economically disadvantaged students) and PIs for accountability groups and non-AYP groups (non-racial/ethnic groups, general-education students, English proficient students, not economically disadvantaged students, male and female students, and migrant and non-migrant students) are used to determine if a district or school is Reward or a school requires a Local Assistance Plan. For more information, see http://www.p12.nysed.gov/accountability/documents/NYSESEAFlexibilityWaiver_REVISED.pdf

Adequate Yearly Progress

In accordance with federal and State laws, the New York State Education Department must determine and report on the performance of students in the following areas:

- 1) Elementary/middle-level (grades 3 8) English Language Arts (ELA)
- 2) Elementary/middle-level (grades 3 8) Mathematics
- 3) Elementary/middle-level (grades 4 and 8) Science
- 4) Secondary-level (grades 9-12) ELA
- 5) Secondary-level (grades 9-12) Mathematics
- 6) Graduation Rate

This performance is determined by identifying whether or not a district or school made **"Adequate Yearly Progress"** (AYP). AYP indicates satisfactory progress by a district or a school toward the goal of proficiency for all students. In ELA, mathematics, and science, AYP is determined by comparing the percentage of students tested and the performance of tested students against defined standards. In graduation rate, AYP is determined by comparing the percentage of students graduating against defined standards.

Standards for English Language Arts, Mathematics, and Science

Participation: In ELA and mathematics, 95% of students in each accountability group with 40 or more members must be tested to meet the participation criterion. In science, 80% must be tested.
 Performance: In ELA and mathematics, a calculated measure of performance called the "Performance Index" (PI) for each accountability group with 30 or more members must equal or exceed a preset objective called an "Effective Annual Measurable Objective" (EAMO) or a safety net objective called a "Safe Harbor Target." In science, the criterion for performance is the same but the safety net is referred to as a "Progress Target."

Districts and schools must meet both the participation and performance criteria for all groups with sufficient numbers to make AYP.

Standards for Graduation Rate

Districts and schools with secondary-level grades are also held to certain standards for the percentage of students who graduated. To make AYP in graduation rate, every accountability group with 30 or more members must make AYP. For a group to make AYP, the graduation rate of the 4-year graduation-rate total cohort or the 5-year graduation-rate total cohort must equal or exceed the Graduation-Rate Standard of 80% or the group's Progress Target. A cohort is a group of students who entered grade 9 anywhere in a particular school year. Graduation rates for these cohorts are then determined 4 and 5 years after the students first enter grade 9.

For more information on how AYP and PIs are determined, see "Determining AYP in 2011-12" under Understanding Accountability in New York State at http://www.p12.nysed.gov/irs/accountability/.

Elementary/Middle-Level ELA: AYP

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

Adequate Yearly Progress: In elementary/middle-level (grades 3 - 8) English language arts (ELA), districts and schools must meet both the participation and performance criteria to make Adequate Yearly Progress (AYP).

Participation: To meet the participation criterion, at least 95% of students in each accountability group with 40 or more members must be tested on an appropriate ELA assessment.

Performance: To meet the performance criterion, the Performance Index (PI) of students in each accountability group with 30 or more members must be equal to or greater than the Effective Annual Measurable Objective (EAMO) or the Safe Harbor Target.

All accountability groups met the participation and performance criteria (made AYP): YES

Student Group	Made AYP
All Students	 Image: A second s
American Indian or Alaska Native	—
Black or African American	—
Hispanic or Latino	 Image: A second s
Asian or Native Hawaiian/Other Pacific Islander	—
White	 Image: A second s
Multiracial	—
Students With Disabilities	 Image: A second s
Limited English Proficient	_
Economically Disadvantaged	 Image: A start of the start of

Made AYP

X Did not make AYP

There were not enough students to make an AYP determination

Elementary/Middle-Level ELA: Participation

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

All accountability groups with 40 or more members tested at least 95% of students enrolled during the test administration period: YES

Elementary/Middle-Level (Grades 3 - 8) English Language Arts (ELA) Participation Results

Student Group	Tested 95%	Students Enrolled During the Test Administration Period	Percent of Enrolled Students with Valid Test Scores
All Students	×	1186	99%
American Indian or Alaska Native	—	0	—
Black or African American	—	23	—
Hispanic or Latino	×	115	98%
Asian or Native Hawaiian/Other Pacific Islander	—	21	—
White	×	1011	100%
Multiracial	—	16	—
Students With Disabilities	×	188	98%
Limited English Proficient	—	14	—
Economically Disadvantaged	1	124	98%

✓ At least 95% of students enrolled during the test administration period were tested.

X Less than 95% of students enrolled during the test administration period were tested.

- There were fewer than 40 students enrolled during the test administration period.

Medically Excused:

Students who were excused from testing for medical reasons in accordance with federal No Child Left Behind guidance are not included in these calculations.

Elementary/Middle-Level ELA: Performance

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

All accountability groups with 30 or more members had a PI greater than or equal to the EAMO or Safe Harbor Target: YES

Elementary/Middle-Level (Grades 3 - 8) English Language Arts (ELA) Performance Results

	PI >= EAMO or	Tested Students		Objectives	
Student Group	Safe Harbor Target	Enrolled on BEDS Day	PI	EAMO	Safe Harbor Target
All Students	✓	1171	161	147	147
American Indian or Alaska Native	—	0	_	—	—
Black or African American	—	23	_	—	—
Hispanic or Latino	1	110	155	122	122
Asian or Native Hawaiian/Other Pacific Islander	—	20	-	—	—
White	1	1002	162	161	161
Multiracial	—	16	-	—	—
Students With Disabilities	1	190†	102+	93	93
Limited English Proficient	_	13	_	_	_
Economically Disadvantaged	1	120	130	125	125

✓ Performance Index is equal to or greater than Effective Annual Measurable Objective.

X Performance Index is less than Effective Annual Measurable Objective and Safe Harbor Target.

- There were fewer than 30 tested students enrolled on BEDS day and during the test administration period.

+ Includes former students with disabilities because the number of students with disabilities in the current year is equal to or greater than 30.

BEDS Day (Basic Educational Data System Day): BEDS Day is the first Wednesday in October of the school year.

Performance Index (PI): A PI is a value from 0 to 200 that is assigned to an accountability group, indicating how that group performed on a required State test (or approved alternative). Student scores on the tests are converted to six performance levels: Level 1 On Track, Level 1 Not On Track, Level 2 On Track, Level 2 Not On Track, Level 3, and Level 4. A PI is calculated using the levels and the following equation: ([2(Count at Level 1 On Track) + Count at Level 2 Not On Track + 2(Count at Level 2 On Track) + 2(Count at Level 3) + 2(Count at Level 4)] ÷ [Count of Tested Students]) × 100

Effective Annual Measurable Objective (EAMO): The EAMO is the PI value that each accountability group of a given size within a district or school is expected to achieve to meet the performance criterion. The EAMO table is available at http://www.p12.nysed.gov/irs/accountability/ under the header "Annual Measurable Objectives."

Safe Harbor Target: Safe Harbor provides an alternate means to meet the performance criterion for accountability groups whose PIs are less than their EAMOs. The 2011-12 Safe Harbor Target is calculated using the following formula: 2010-11 PI + (200 - the 2010-11 PI) \times 0.10.

Elementary/Middle-Level ELA: Non-AYP Groups

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

Participation and performance for the following groups are *NOT* used to determine AYP.

Participation

Student Group	Students Enrolled During the Test Administration Period	Percent of Enrolled Students with Valid Test Scores
Not American Indian or Alaska Native	1186	99%
Not Black or African American	1163	99%
Not Hispanic or Latino	1071	100%
Not Asian or Native Hawaiian/Other Pacific Islander	1165	99%
Not White	175	98%
Not Multiracial	1170	99%
General Education	998	100%
English Proficient	1172	99%
Not Economically Disadvantaged	1062	100%
Male	581	99%
Female	605	100%
Migrant	0	—
Not Migrant	1186	99%

- There were fewer than 40 students enrolled during the test administration period.

Performance

Student Group	Tested Students Enrolled on BEDS Day	PI
Not American Indian or Alaska Native	1171	161
Not Black or African American	1148	162
Not Hispanic or Latino	1061	162
Not Asian or Native Hawaiian/Other Pacific Islander	1151	161
Not White	169	153
Not Multiracial	1155	161
General Education	988	172
English Proficient	1158	162
Not Economically Disadvantaged	1051	165
Male	571	155
Female	600	167
Migrant	0	—
Not Migrant	1171	161

- There were fewer than 30 tested students enrolled on BEDS day and during the test administration period.

Elementary/Middle-Level Math: AYP

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

Adequate Yearly Progress: In elementary/middle-level (grades 3 - 8) mathematics, districts and schools must meet both the participation and performance criteria to make Adequate Yearly Progress (AYP).

Participation: To meet the participation criterion, at least 95% of students in each accountability group with 40 or more members must be tested on an appropriate math assessment.

Performance: To meet the performance criterion, the Performance Index (PI) of students in each accountability group with 30 or more members must be equal to or greater than the Effective Annual Measurable Objective (EAMO) or the Safe Harbor Target.

All accountability groups met the participation and performance criteria (made AYP): YES

Student Group	Made AYP
All Students	~
American Indian or Alaska Native	-
Black or African American	_
Hispanic or Latino	 Image: A second s
Asian or Native Hawaiian/Other Pacific Islander	
White	~
Multiracial	-
Students With Disabilities	 Image: A second s
Limited English Proficient	_
Economically Disadvantaged	 Image: A start of the start of

Made AYP

X Did not make AYP

There were not enough students to make an AYP determination

Elementary/Middle-Level Math: Participation

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

All accountability groups with 40 or more members tested at least 95% of students enrolled during the test administration period: YES

Elementary/Middle-Level (Grades 3 - 8) Math Participation Results

Student Group	Tested 95%	Students Enrolled During the Test Administration Period	Percent of Enrolled Students with Valid Test Scores
All Students	×	1186	100%
American Indian or Alaska Native	—	0	—
Black or African American	—	23	—
Hispanic or Latino	×	115	99%
Asian or Native Hawaiian/Other Pacific Islander	—	21	—
White	×	1011	100%
Multiracial	—	16	—
Students With Disabilities	×	188	99%
Limited English Proficient	—	14	—
Economically Disadvantaged	×	124	100%

✓ At least 95% of students enrolled during the test administration period were tested.

X Less than 95% of students enrolled during the test administration period were tested.

- There were fewer than 40 students enrolled during the test administration period.

Medically Excused:

Students who were excused from testing for medical reasons in accordance with federal No Child Left Behind guidance are not included in these calculations.

Elementary/Middle-Level Math: Performance

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

All accountability groups with 30 or more members had a PI greater than or equal to the EAMO or Safe Harbor Target: YES

Elementary/Middle-Level (Grades 3 - 8) Math Performance Results

	PI >= EAMO or	Tested Students		Objectives	
Student Group	Safe Harbor Target	Enrolled on BEDS Day	PI	EAMO	Safe Harbor Target
All Students	1	1176	170	161	161
American Indian or Alaska Native	_	0	-	-	—
Black or African American	_	23	_	_	—
Hispanic or Latino	1	111	164	140	140
Asian or Native Hawaiian/Other Pacific Islander	_	20	-	—	—
White	 Image: A set of the set of the	1006	171	171	171
Multiracial	-	16	-	_	—
Students With Disabilities	1	193†	115+	114	111
Limited English Proficient	_	13	_	_	_
Economically Disadvantaged	1	121	144	142	142

✓ Performance Index is equal to or greater than Effective Annual Measurable Objective.

✗ Performance Index is less than Effective Annual Measurable Objective and Safe Harbor Target. ▮

- There were fewer than 30 tested students enrolled on BEDS day and during the test administration period.

+ Includes former students with disabilities because the number of students with disabilities in the current year is equal to or greater than 30.

BEDS Day (Basic Educational Data System Day): BEDS Day is the first Wednesday in October of the school year.

Performance Index (PI): A PI is a value from 0 to 200 that is assigned to an accountability group, indicating how that group performed on a required State test (or approved alternative). Student scores on the tests are converted to six performance levels: Level 1 On Track, Level 1 Not On Track, Level 2 On Track, Level 2 Not On Track, Level 3, and Level 4. A PI is calculated using the levels and the following equation: ([2(Count at Level 1 On Track) + Count at Level 2 Not On Track + 2(Count at Level 2 On Track) + 2(Count at Level 3) + 2(Count at Level 4)] ÷ [Count of Tested Students]) × 100

Effective Annual Measurable Objective (EAMO): The EAMO is the PI value that each accountability group of a given size within a district or school is expected to achieve to meet the performance criterion. The EAMO table is available at http://www.p12.nysed.gov/irs/accountability/ under the header "Annual Measurable Objectives."

Safe Harbor Target: Safe Harbor provides an alternate means to meet the performance criterion for accountability groups whose PIs are less than their EAMOs. The 2011-12 Safe Harbor Target is calculated using the following formula: 2010-11 PI + (200 - the 2010-11 PI) \times 0.10.

Elementary/Middle-Level Math: Non-AYP Groups

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

Participation and performance for the following groups are *NOT* used to determine AYP.

Participation

Student Group	Students Enrolled During the Test Administration Period	Percent of Enrolled Students with Valid Test Scores
Not American Indian or Alaska Native	1186	100%
Not Black or African American	1163	100%
Not Hispanic or Latino	1071	100%
Not Asian or Native Hawaiian/Other Pacific Islander	1165	100%
Not White	175	99%
Not Multiracial	1170	100%
General Education	998	100%
English Proficient	1172	100%
Not Economically Disadvantaged	1062	100%
Male	581	100%
Female	605	100%
Migrant	0	—
Not Migrant	1186	100%

- There were fewer than 40 students enrolled during the test administration period.

Performance

Student Group	Tested Students Enrolled on BEDS Day	PI
Not American Indian or Alaska Native	1176	170
Not Black or African American	1153	171
Not Hispanic or Latino	1065	171
Not Asian or Native Hawaiian/Other Pacific Islander	1156	170
Not White	170	162
Not Multiracial	1160	170
General Education	990	181
English Proficient	1163	171
Not Economically Disadvantaged	1055	173
Male	576	169
Female	600	171
Migrant	0	_
Not Migrant	1176	170

- There were fewer than 30 tested students enrolled on BEDS day and during the test administration period.

Elementary/Middle-Level Science: AYP

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

Adequate Yearly Progress: In elementary/middle-level (grades 4 & 8) science, districts and schools must meet both the participation and performance criteria to make Adequate Yearly Progress (AYP).

Participation: To meet the participation criterion, at least 80% of students in each accountability group with 40 or more members must be tested on an appropriate science assessment.

Performance: To meet the performance criterion, the Performance Index (PI) of students in each accountability group with 30 or more members must be equal to or greater than the Effective Annual Measurable Objective (EAMO) or the Progress Target.

All accountability groups met the participation and performance criteria (made AYP): YES

Student Group	Made AYP
All Students	 Image: A second s
American Indian or Alaska Native	—
Black or African American	—
Hispanic or Latino	 Image: A second s
Asian or Native Hawaiian/Other Pacific Islander	—
White	 Image: A second s
Multiracial	—
Students With Disabilities	 Image: A second s
Limited English Proficient	_
Economically Disadvantaged	 Image: A set of the set of the

Made AYP

X Did not make AYP

There were not enough students to make an AYP determination

Elementary/Middle-Level Science: Participation

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

All accountability groups with 40 or more members tested at least 80% of students enrolled during the test administration period: YES

Elementary/Middle-Level (Grades 4 & 8) Science Participation Results

Student Group	Tested 80%	Students Enrolled During the Test Administration Period	Percent of Enrolled Students with Valid Test Scores
All Students	 Image: A set of the set of the	407	99%
American Indian or Alaska Native	—	0	—
Black or African American	—	7	—
Hispanic or Latino	—	36	—
Asian or Native Hawaiian/Other Pacific Islander	—	5	—
White	 Image: A set of the set of the	356	99%
Multiracial	—	3	—
Students With Disabilities	 ✓ 	72	97%
Limited English Proficient	—	6	—
Economically Disadvantaged	×	43	100%

✓ At least 80% of students enrolled during the test administration period were tested.

X Less than 80% of students enrolled during the test administration period were tested.

- There were fewer than 40 students enrolled during the test administration period.

Medically Excused:

Students who were excused from testing for medical reasons in accordance with federal No Child Left Behind guidance are not included in these calculations.

Elementary/Middle-Level Science: Performance

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

All accountability groups with 30 or more members had a PI greater than or equal to the EAMO or Progress Target: YES

Elementary/Middle-Level (Grades 4 & 8) Science Performance Results

Student Group	PI >= EAMO or	Tested Students Enrolled on BEDS	PI	Objectives	
Student Group	Progress Target	Day		EAMO	Progress Target
All Students	1	402	189	174	174
American Indian or Alaska Native	—	0	_	—	—
Black or African American	—	7	_	—	—
Hispanic or Latino	1	35	169	149	149
Asian or Native Hawaiian/Other Pacific Islander	—	5	—	—	—
White	1	352	192	185	185
Multiracial	—	3	—	_	—
Students With Disabilities	1	71†	166†	143	143
Limited English Proficient	—	6	_	_	_
Economically Disadvantaged	1	43	170	153	153

✓ Performance Index is equal to or greater than Effective Annual Measurable Objective.

✗ Performance Index is less than Effective Annual Measurable Objective and Progress Target. ▮

- There were fewer than 30 tested students enrolled on BEDS day and during the test administration period.

+ Includes former students with disabilities because the number of students with disabilities in the current year is equal to or greater than 30.

BEDS Day (Basic Educational Data System Day): BEDS Day is the first Wednesday in October of the school year.

Performance Index (PI): A PI is a value from 0 to 200 that is assigned to an accountability group, indicating how that group performed on a required State test (or approved alternative). Student scores on the tests are converted to four performance levels, from Level 1 to Level 4. A PI is calculated using the levels and the following equation: ([(Count at Level 2) + 2(Count at Level 3) + 2(Count at Level 4)] ÷ [Count of Tested Students]) × 100

Effective Annual Measurable Objective (EAMO): The EAMO is the PI value that each accountability group of a given size within a district or school is expected to achieve to meet the performance criterion. The EAMO table is available at http://www.p12.nysed.gov/irs/accountability/ under the header "Annual Measurable Objectives."

Progress Target: A Progress Target provides an alternate means to meet the performance criterion for accountability groups whose PIs are less than their EAMOs. The 2011-12 Progress Target is calculated by adding 1 point to the previous year's PI.

Elementary/Middle-Level Science: Non-AYP Groups

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

Participation and performance for the following groups are *NOT* used to determine AYP.

Participation

Student Group	Students Enrolled During the Test Administration Period	Percent of Enrolled Students with Valid Test Scores	
Not American Indian or Alaska Native	407	99%	
Not Black or African American	400	99%	
Not Hispanic or Latino	371	99%	
Not Asian or Native Hawaiian/Other Pacific Islander	402	99%	
Not White	51	98%	
Not Multiracial	404	99%	
General Education	335	99%	
English Proficient	401	99%	
Not Economically Disadvantaged	364	99%	
Male	201	99%	
Female	206	100%	
Migrant	0	_	
Not Migrant	407	99%	

- There were fewer than 40 students enrolled during the test administration period.

Performance

Student Group	Tested Students Enrolled on BEDS Day	PI
Not American Indian or Alaska Native	402	189
Not Black or African American	395	190
Not Hispanic or Latino	367	191
Not Asian or Native Hawaiian/Other Pacific Islander	397	189
Not White	50	172
Not Multiracial	399	189
General Education	332	194
English Proficient	396	191
Not Economically Disadvantaged	359	192
Male	197	192
Female	205	186
Migrant	0	_
Not Migrant	402	189

- There were fewer than 30 tested students enrolled on BEDS day and during the test administration period.

SCHOOL: MAHOPAC MIDDLE SCHOOL

SCHOOL ID: 480101060004 DISTRICT: MAHOPAC CENTRAL SCHOOL DISTRICT

Unweighted Combined ELA and Math Performance Indices (PIs)

The unweighted combined ELA and math Performance Index (PI) is the sum of the PIs for all measures for which the school/district has 30 or more students in the group divided by the number of measures for which the school/district has 30 or more students in the group. For example, EM ELA = 150, EM Math = 180, HS ELA = 140, HS Math = 160: $(150 + 180 + 140 + 160) \div 4 = 157.5 = 158$.

Student Group	Elementary/ Middle-Level ELA Pl	Elementary/ Middle-Level Math Pl	Secondary-Level ELA Pl	Secondary-Level Math Pl	Unweighted Combined Pl
All Students	161	170	—	—	166
American Indian or Alaska Native	_	—	—	—	_
Black or African American	—	—	—	—	—
Hispanic or Latino	155	164	—	—	160
Asian or Native Hawaiian/Other Pacific Islander	_	_	_	_	_
White	162	171	—	—	167
Multiracial	—	—	—	—	—
Students With Disabilities	102	115	—	—	109
Limited English Proficient	—	—	—	—	—
Economically Disadvantaged	130	144	—	_	137

- There was not enough students to determine a Performance Index.