

# How Are We Doing?

## Baseline Data on African Nova Scotian Learners

Presented by: Dr. Patrick Kakembo

Paul Ash

Sarah Curry

Nova Scotia Department of Education and Early Childhood Development

# Reality Check – Recommendation #1

## Measurement and Monitoring

It is recommended that:

The Department of Education facilitate School Boards in collecting quantitative data on the academic performance of, and the opportunities to learn that are provided to, African Nova Scotian students.

# Section 1

## DEMOGRAPHICS

## AND SELF IDENTIFICATION

# Provincial Demographics

- **2.3%** of Nova Scotians self-identified as “Black” (National Household Survey 2011).
- **4.2%** of P-12 students in NS self identified as being of African descent.
- Self-identification rate for all P-12 students in Nova Scotia: **42%**
- But we believe self identification rate for students of African descent is much higher.

# Enrolment by Board

- 2/3 of students who self-identified as being of African descent are located in Halifax Regional School Board.

Board	Students of African Descent	Students P-12	Percentage of students of African Descent
AVRSB	453	13353	3.4%
CBVRSB	268	13536	2.0%
CCRSB	438	20525	2.1%
CSAP	77	4703	1.6%
HRSB	3431	48545	7.1%
SSRSB	54	6650	0.8%
SRSB	138	6592	2.1%
TCRSB	184	6230	3.0%
Province	5043	120134	4.2%

0%

5%

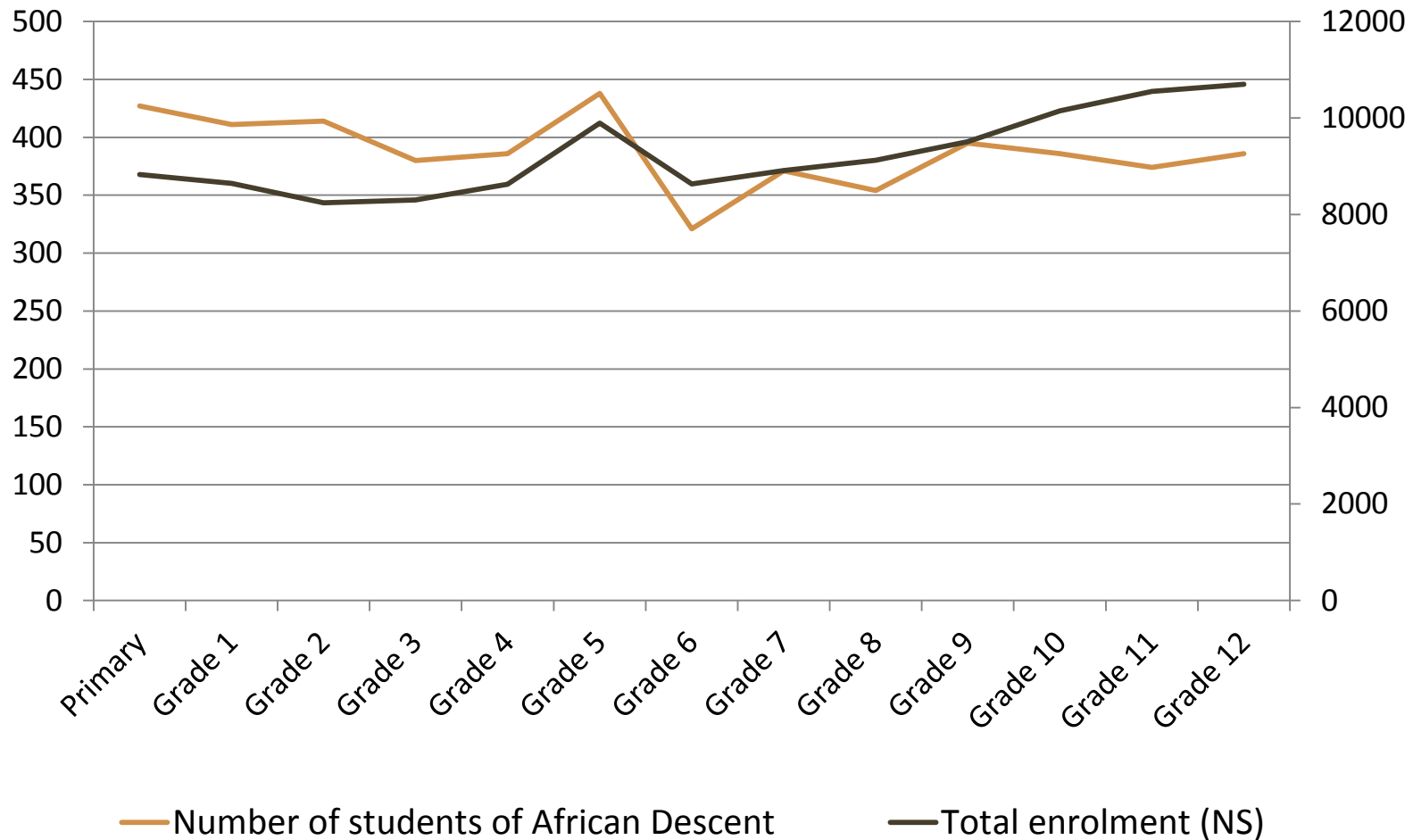
10%

# Enrollment by Grade

Grade Level	Number of students of African Descent	Total enrolment (NS)	Percentage of students of African Descent
Primary	427	8832	4.8%
Grade 1	411	8648	4.8%
Grade 2	414	8244	5.0%
Grade 3	380	8304	4.6%
Grade 4	386	8628	4.5%
Grade 5	438	9892	4.4%
Grade 6	321	8631	3.7%
Grade 7	371	8914	4.2%
Grade 8	354	9128	3.9%
Grade 9	395	9512	4.2%
Grade 10	386	10150	3.8%
Grade 11	374	10551	3.5%
Grade 12	386	10700	3.6%
Total P-12	5043	120134	4.2%

# Enrolment trends by grade

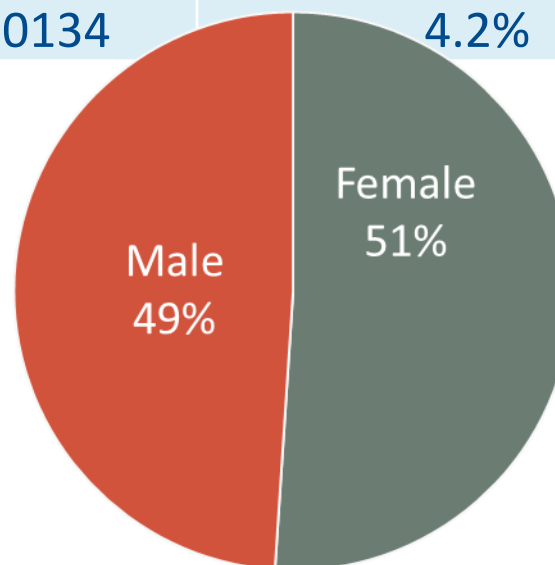
Students of African descent (left) vs total enrolment (right)



# Enrolment by sex

Sex	Number of students of African Descent	Total enrolment (NS)	Percentage of students of African Descent
Female	2574	58768	4.4%
Male	2469	61366	4.0%
Total	5043	120134	4.2%

There are slightly more female students of African descent than males.





# Section 2

## ACADEMIC PERFORMANCE INDICATORS

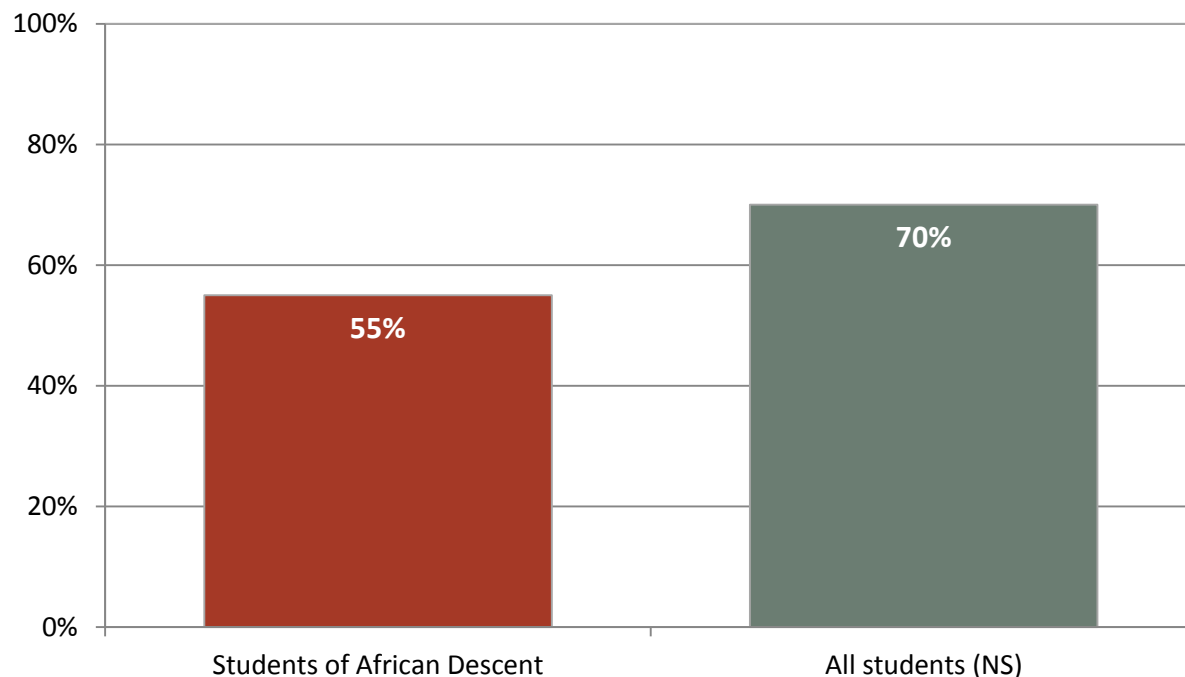
# Reading in Grade 3

Student group	Year	Total # of students identified	Exempt - #	IPP and didn't write - #	Participation Rate	Reading - Mean scaled score
Students of African Descent	2013-14	301	2	25	91%	454
All students (NS)	2013-14	7042	66	344	94%	490

Student group	Reading overall performance					
	Not enough evidence	Level 1 % below the expectation	Level 2 % approaching the expect.	Level 3 % at the expect.	Level 4 N/A	% of students at or above
Students of African Descent	4	24%	21%	55%	N/A	55%
All students (NS)	51	13%	17%	70%	N/A	70%

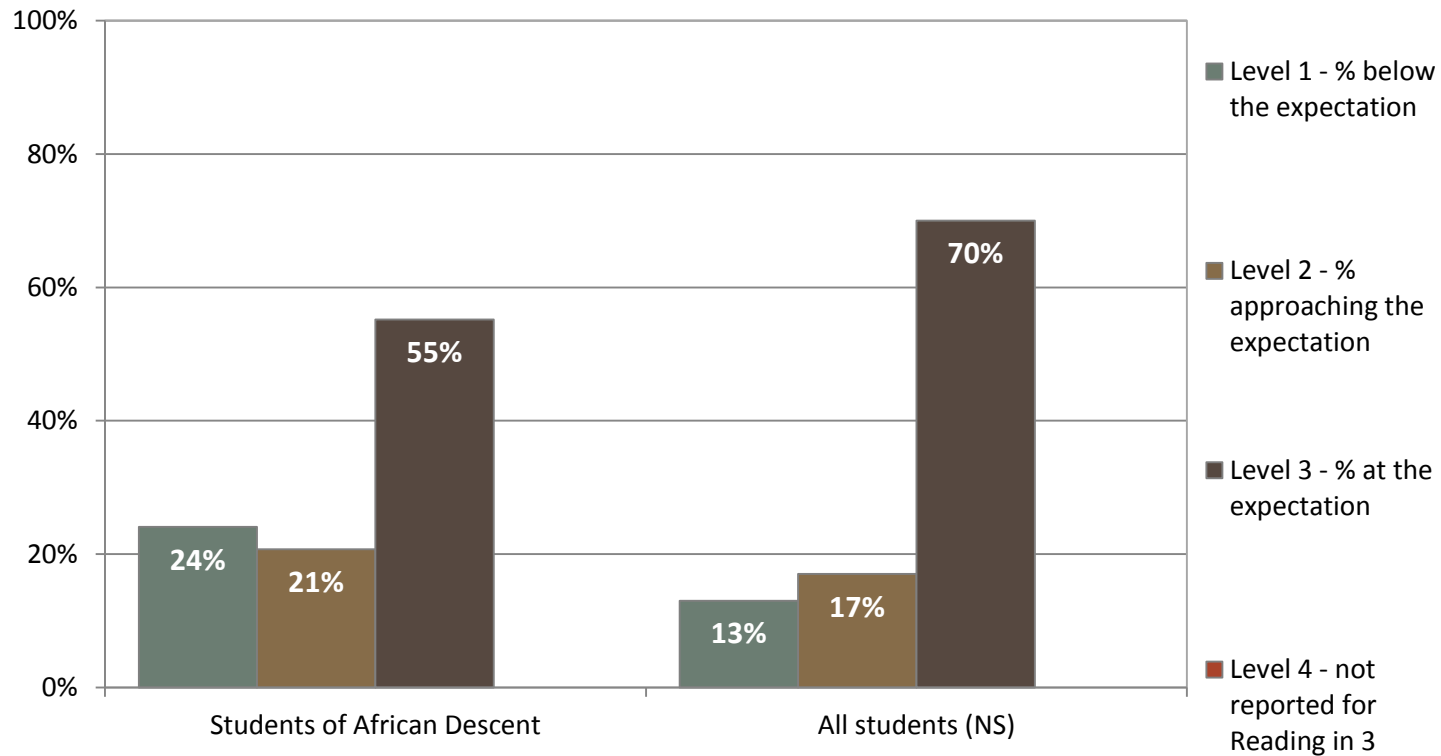
# Reading in Grade 3

**Percentage of students at or above the assessment expectation**



# Reading in Grade 3

**Percentage of students  
at each performance level**



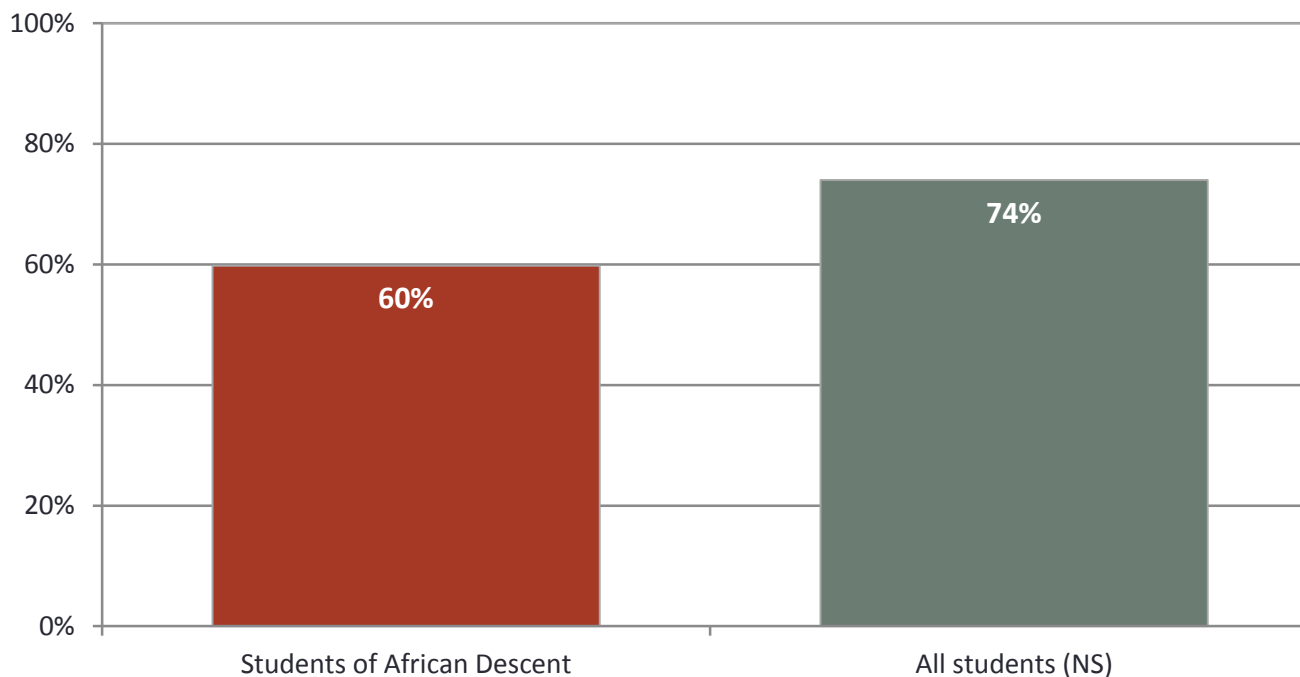
# Mathematics in Grade 4

Student group	Year	Total # of students identified	Exempt - #	IPP and didn't write - #	Participation Rate	Math - Mean scaled score
Students of African Descent	2013-14	374	3	21	94%	463
All students (NS)	2013-14	8227	70	371	95%	500

Student group	Mathematics overall performance					
	Not enough evidence	Level 1 % below the expectation	Level 2 % approaching the expect.	Level 3 % at the expect.	Level 4 % above the expect.	% of students at or above
Students of African Descent	2	16%	24%	53%	7%	60%
All students (NS)	21	9%	17%	62%	13%	74%

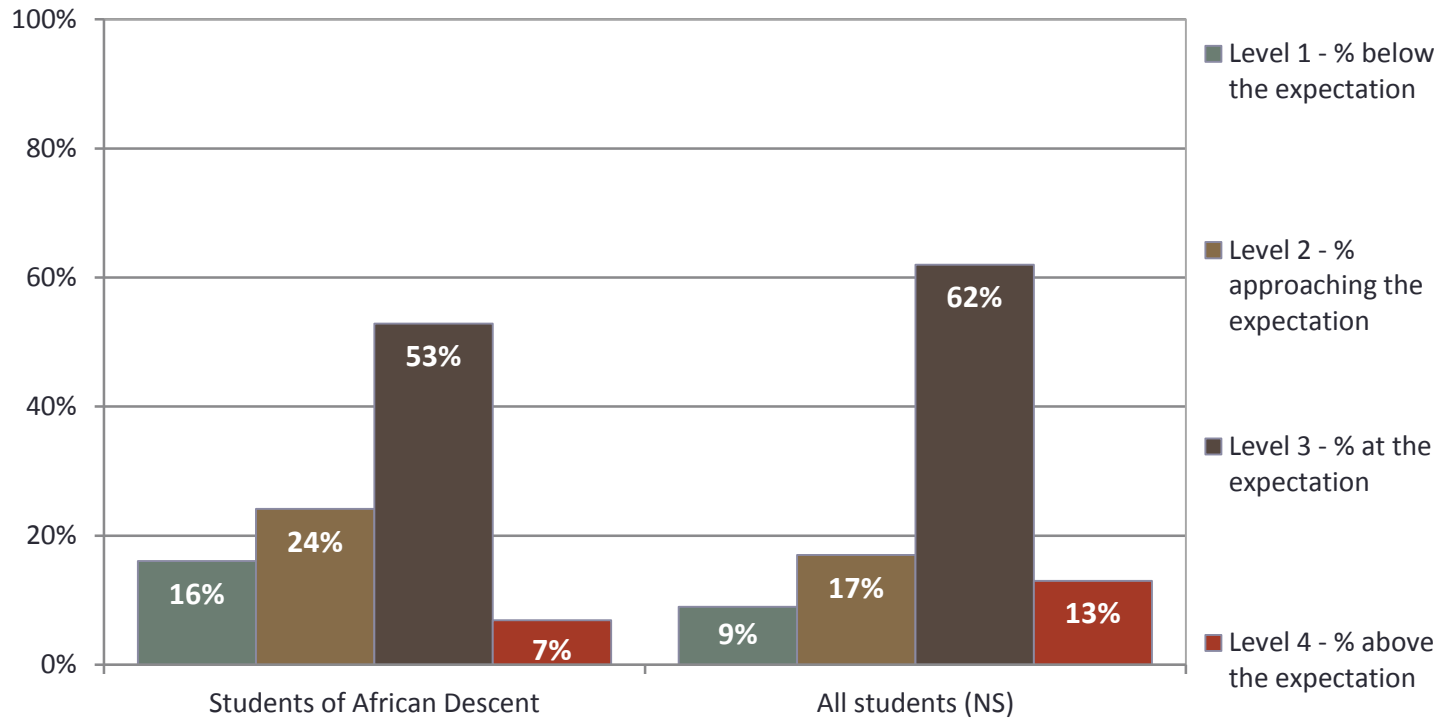
# Mathematics in Grade 4

**Percentage of students at or above the assessment expectation**



# Mathematics in Grade 4

Percentage of students  
at each performance level



# Reading in Grade 6

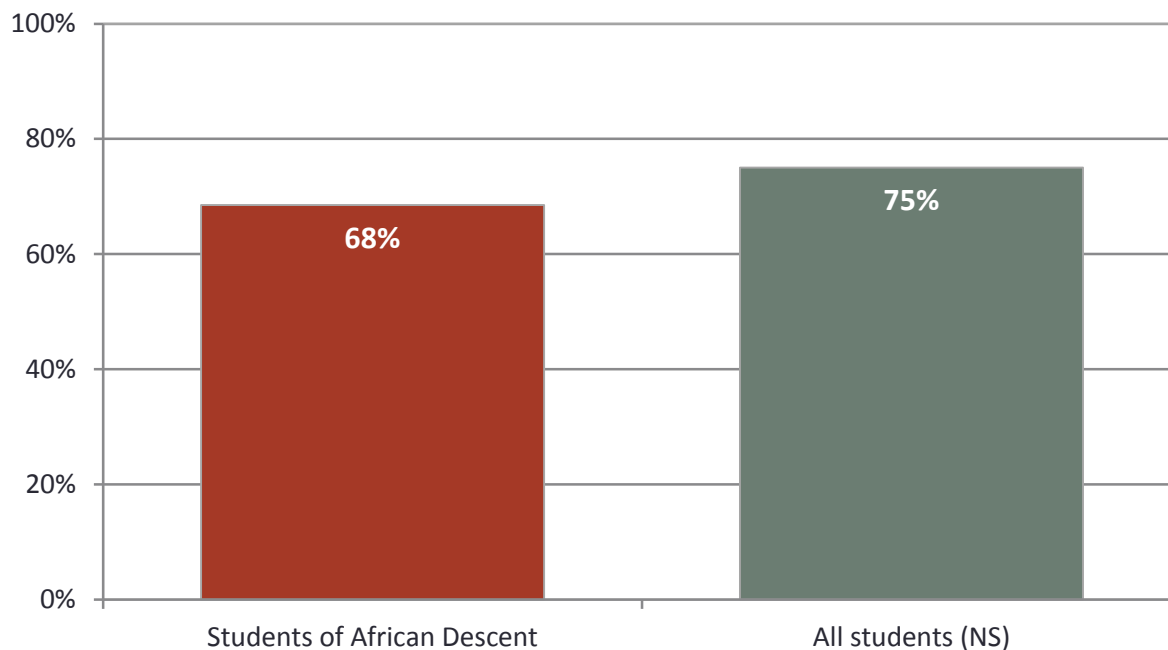
Student group	Year	Total # of students identified	Exempt - #	IPP and didn't write - #	Participation Rate	Reading - Mean scaled score
Students of African Descent	2013-14	316	2	20	93%	470
All students (NS)	2013-14	8596	44	442	94%	496

Student group	Reading overall performance					
	Not enough evidence	Level 1 % below the expectation	Level 2 % approaching the expect.	Level 3 % at the expect.	Level 4 % above the expect.	% of students at or above
Students of African Descent	2	14%	17%	66%	3%	68%
All students (NS)	25	8%	16%	69%	6%	75%



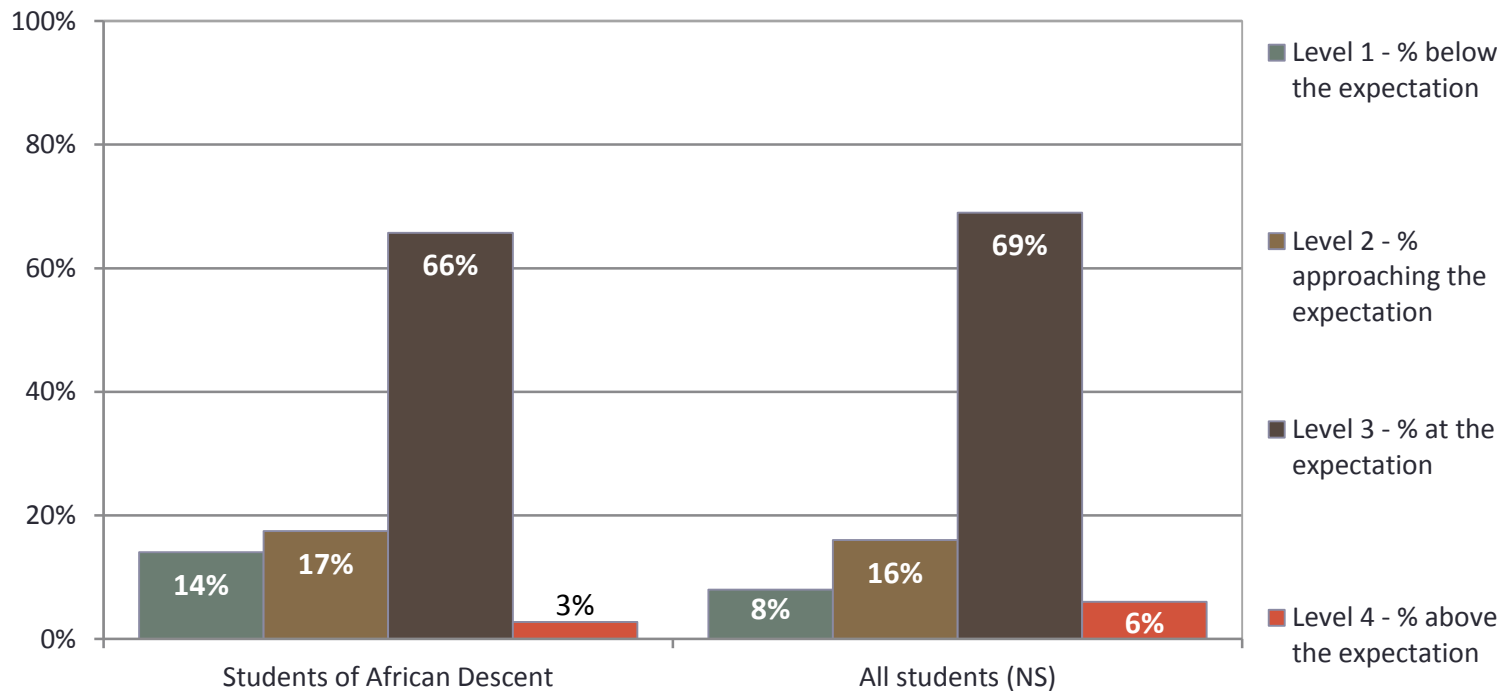
# Reading in Grade 6

**Percentage of students at or above the assessment expectation**



# Reading in Grade 6

Percentage of students  
at each performance level



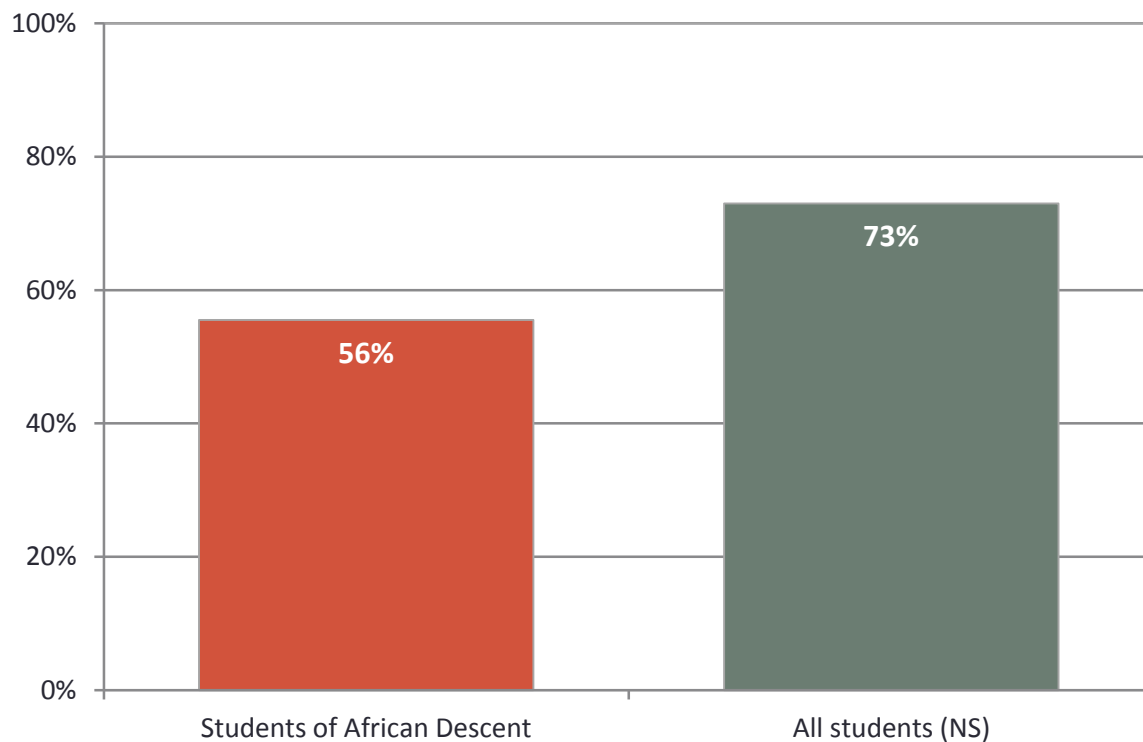
# Mathematics in Grade 6

Student group	Year	Total # of students identified	Exempt - #	IPP and didn't write - #	Participation Rate	Math - Mean scaled score
Students of African Descent	2013-14	311	3	23	92%	454
All students (NS)	2013-14	8257	66	468	94%	504

Student group	Mathematics overall performance					
	Not enough evidence	Level 1 % below the expectation	Level 2 % approaching the expect.	Level 3 % at the expect.	Level 4 % above the expect.	% of students at or above
Students of African Descent	4	22%	22%	52%	4%	56%
All students (NS)	38	10%	17%	61%	11%	73%

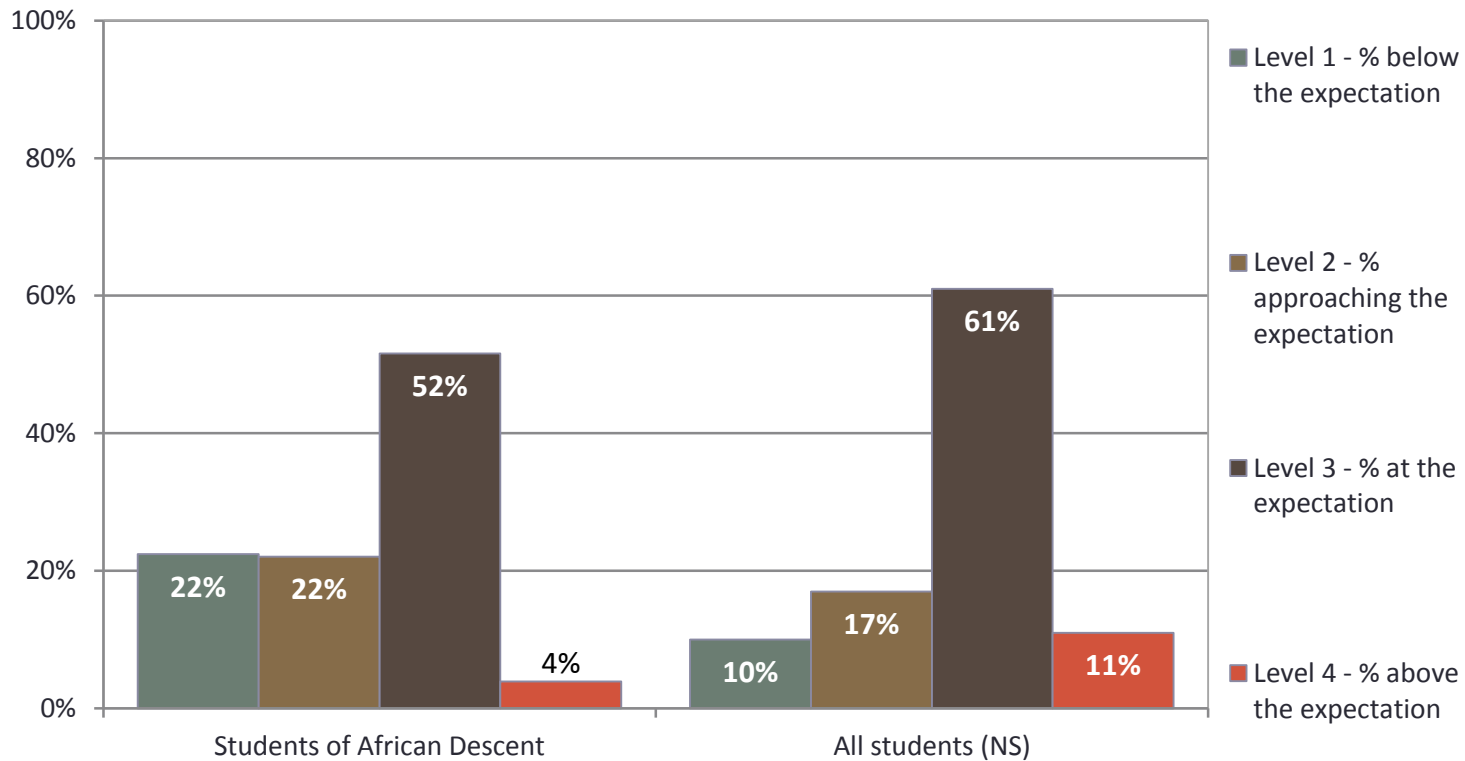
# Mathematics in Grade 6

**Percentage of students at or above the assessment expectation**



# Mathematics in Grade 6

Percentage of students  
at each performance level



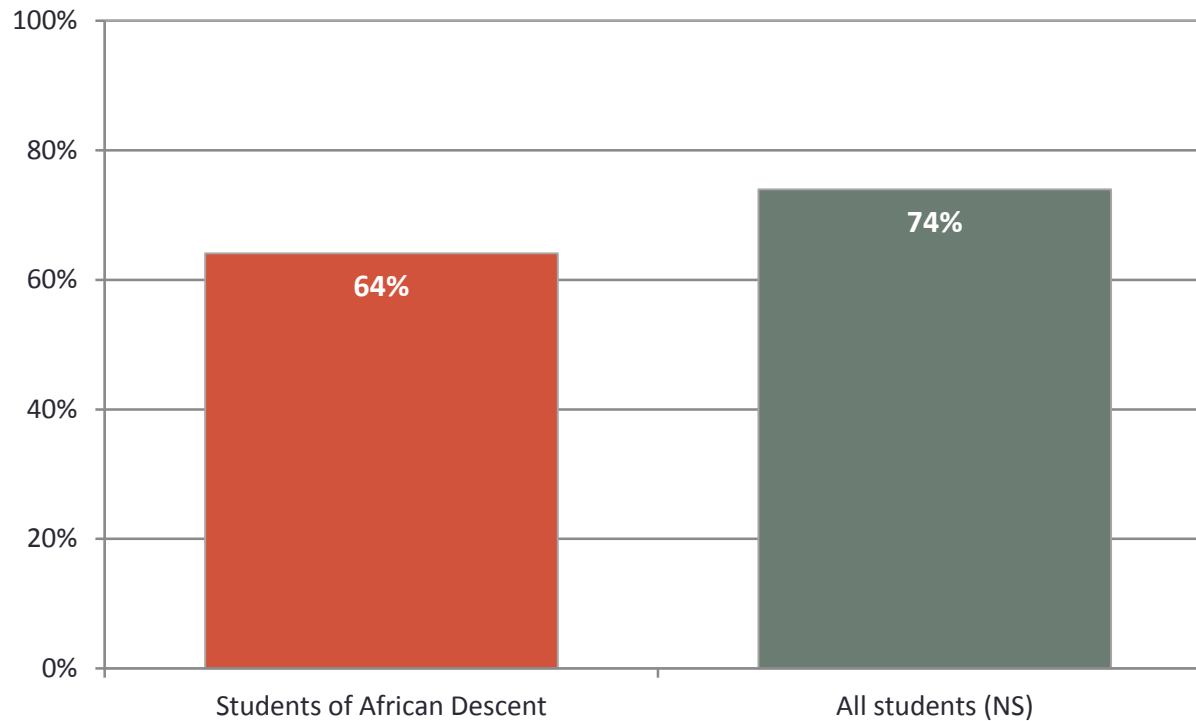
# Reading in Grade 8

Student group	Year	Total # of students identified	Exempt - #	IPP and didn't write - #	Participation Rate	Reading - Mean scaled score
Students of African Descent	2013-14	345	11	33	87%	482
All students (NS)	2013-14	9105	198	475	93%	513

Student group	Reading overall performance					
	Not enough evidence	Level 1 % below the expectation	Level 2 % approaching the expect.	Level 3 % at the expect.	Level 4 % above the expect.	% of students at or above
Students of African Descent	3	16%	20%	60%	4%	64%
All students (NS)	51	9%	17%	65%	10%	74%

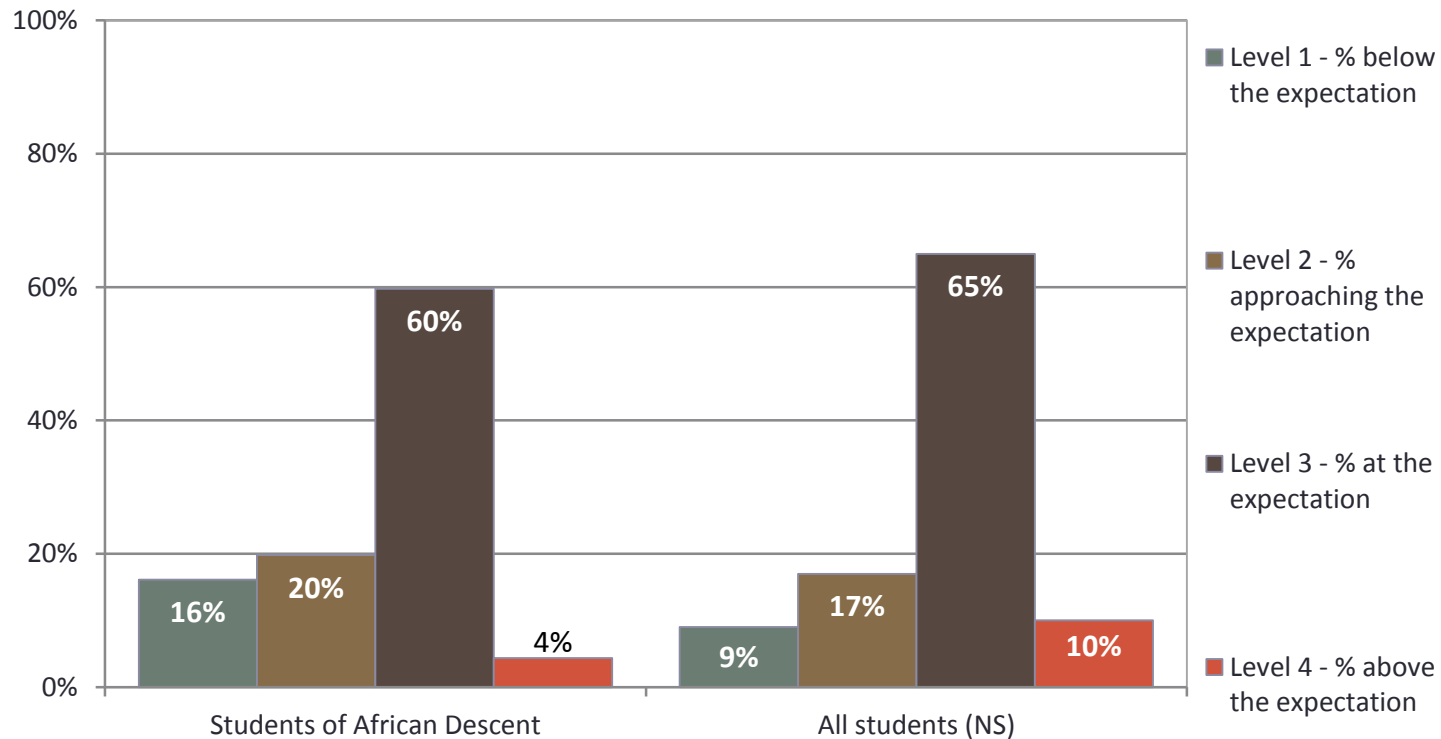
# Reading in Grade 8

Percentage of students at or above the assessment expectation



# Reading in Grade 8

Percentage of students  
at each performance level





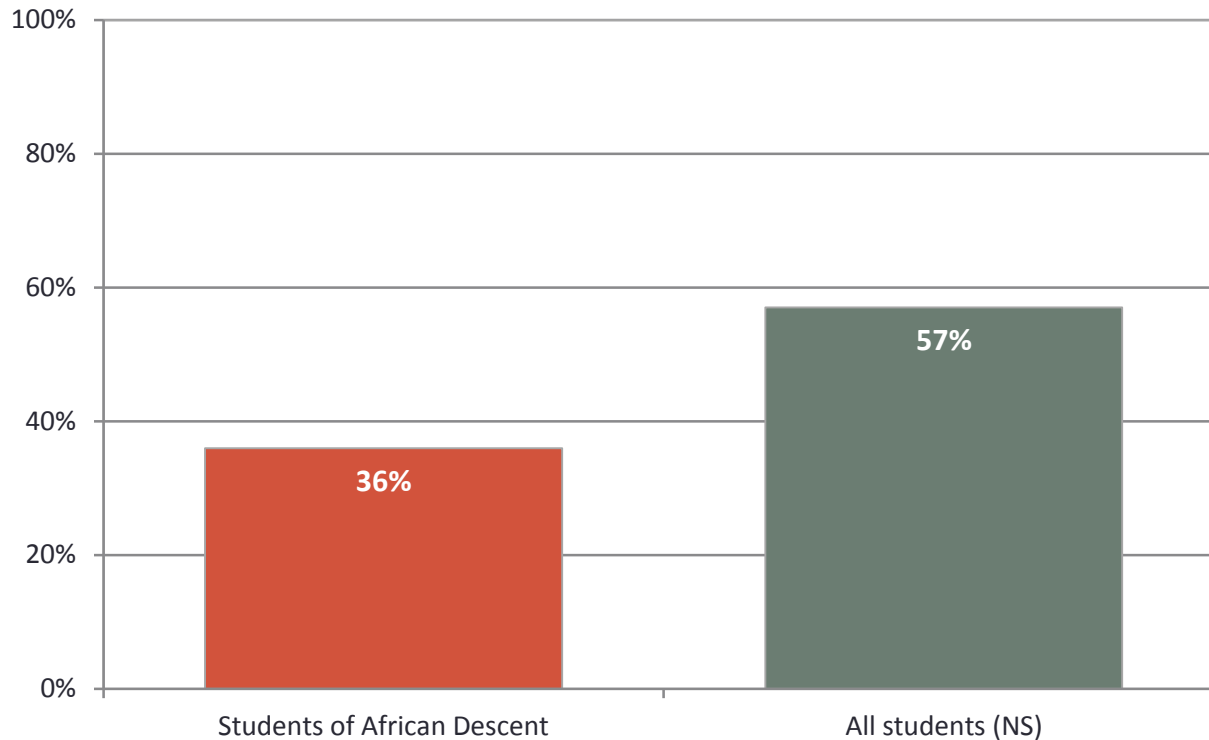
# Mathematics in Grade 8

Student group	Year	Total # of students identified	Exempt - #	IPP and didn't write - #	Participation Rate	Math - Mean scaled score
Students of African Descent	2013-14	341	11	50	82%	461
All students (NS)	2013-14	8774	258	631	90%	508

Student group	Mathematics overall performance					
	Not enough evidence	Level 1 % below the expectation	Level 2 % approaching the expect.	Level 3 % at the expect.	Level 4 % above the expect.	% of students at or above
Students of African Descent	2	24%	40%	34%	2%	36%
All students (NS)	31	13%	30%	51%	6%	57%

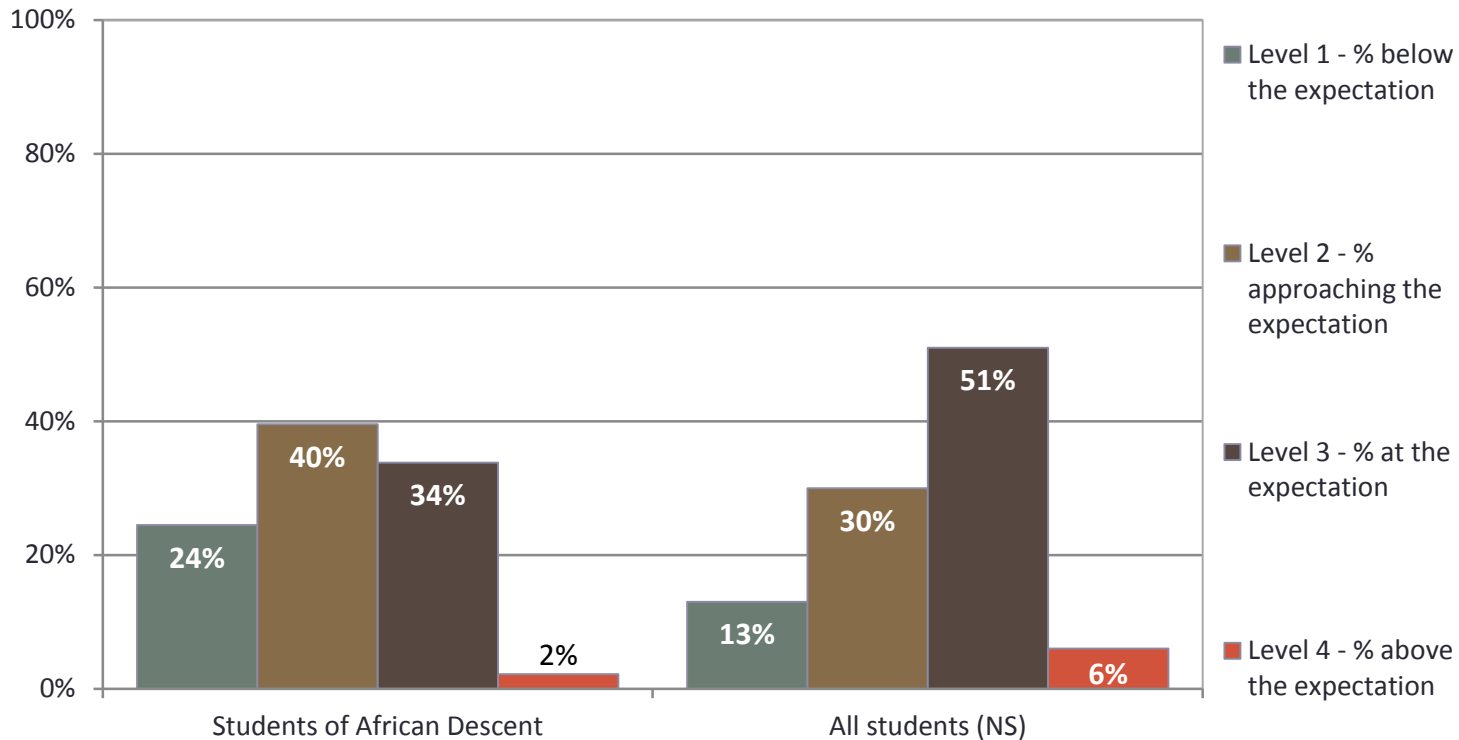
# Mathematics in Grade 8

Percentage of students at or above the assessment expectation



# Mathematics in Grade 8

Percentage of students  
at each performance level



# Section 2

## HIGH SCHOOL COURSE INDICATORS

# University vs. Graduate

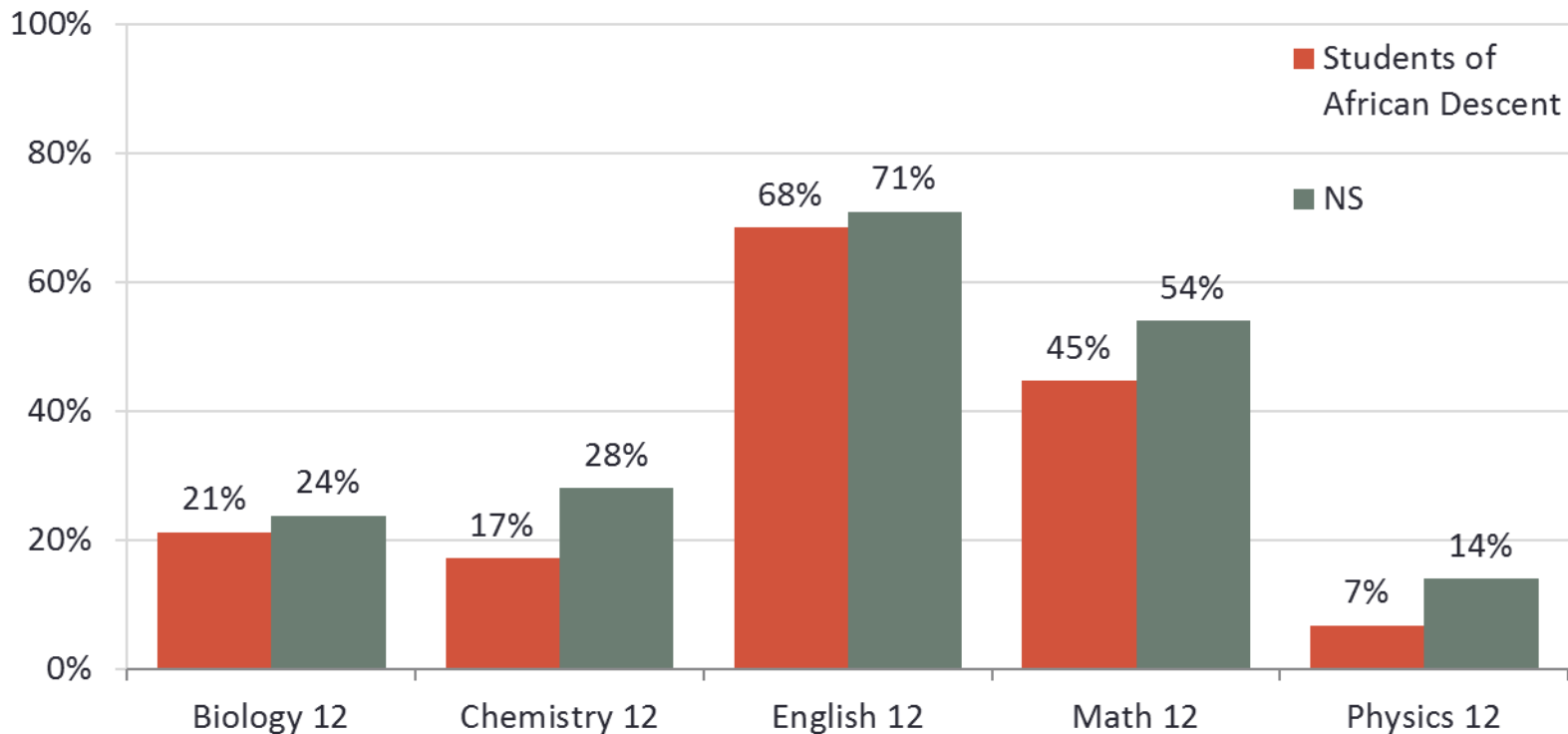
## Track Course Enrolment

- Students of African descent in Grade 12: 386
- All students in Grade 12: 10,700

Course	Number of students of African descent	% of G12 students of African descent enrolled in this class	Number of students (NS)	% of all G12 students enrolled in this class (NS)	Difference in enrolment
Biology 12	82	21.2%	2541	23.7%	-2.5%
Chemistry 12	66	17.1%	2998	28.0%	-10.9%
English 12	264	68.4%	7581	70.9%	-2.5%
Math 12	172	44.6%	5770	53.9%	-9.4%
Physics 12	26	6.7%	1485	13.9%	-7.1%
Course	Number of students of African descent	% of G12 students of African descent enrolled in this class	Number of students (NS)	% of all G12 students enrolled in this class (NS)	Difference in enrolment
English Comm 12	55	14.2%	1354	12.7%	1.6%
Math Foundations 12	28	7.3%	695	6.5%	0.8%

# University vs. Graduate Track Course Enrolment

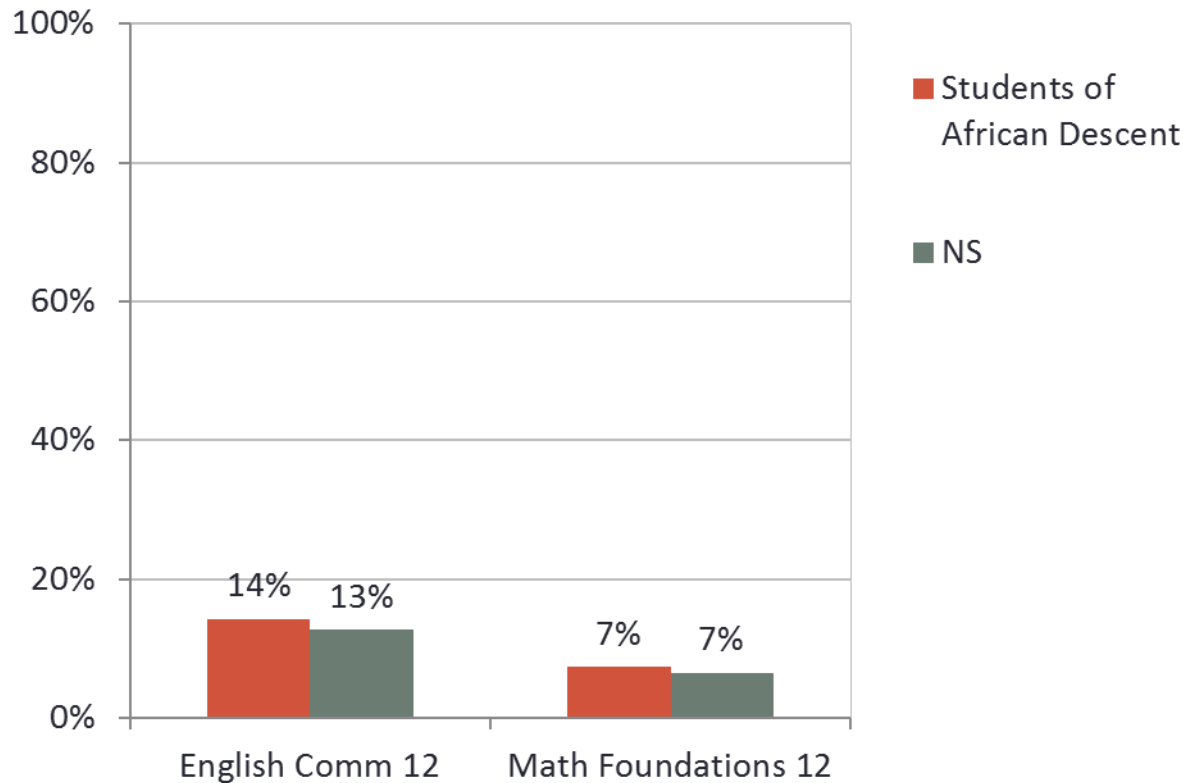
## Percentage of Grade 12 class in University Track courses



# University vs. Graduate

## Track Course Enrolment

Percentage of Grade 12 class in Graduate Track courses



# Grades 10-12

## Graduation Cohort

- How many students graduated compared to total high school population?
- Percentage completing high school and enrolment in O2 are similar for students of African descent and all students.

	All Grads (students of African descent )	All Grads (NS)	Options and Opportunities (students of African descent)	Options and Opportuni ties (NS)	IB (students of African descent )	IB (NS)
<b>Total Graduates</b>	363	9604	21	633	4	190
<b>High School Enrolment (grades 10-12)</b>	1146	31401	1146	31401	1146	31401
<b>Graduates divided by HS enrolment</b>	32%	31%	1.8%	2.0%	0.3%	0.6%



# African Canadian Studies 11 and English 12: African Heritage

- African Canadian Studies 11 offered in **44** schools in 2013-14.
  - Total enrolment: 1601
  - About **10%** (157) self-identified as being of African Heritage.
- English 12: African Heritage offered in **10** schools in 2013-14
  - Total enrolment: 208
  - About **18%** (38) self-identified as being of African Heritage.

# Section 4

## SCHOLARSHIP AWARDS BY YEAR

# Scholarship Awards by year

- Scholarship awards for students of African Descent have almost doubled since 2005-2006.

AWARD	2005/ 06	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013/ 14	2014/ 15
Community College/Trade School	93	102	87	109	163	135	122	191	195	189
Post-Secondary	75	108	135	121	115	138	156	180	174	205
University Entrance	69	64	52	80	70	89	93	107	94	87
Science Profession	7	11	9	12	10	11	8	11	12	18
Teacher Education	16	10	11	14	9	13	16	13	7	9
<b>TOTALS</b>	260	295	294	336	367	386	395	502	482	508