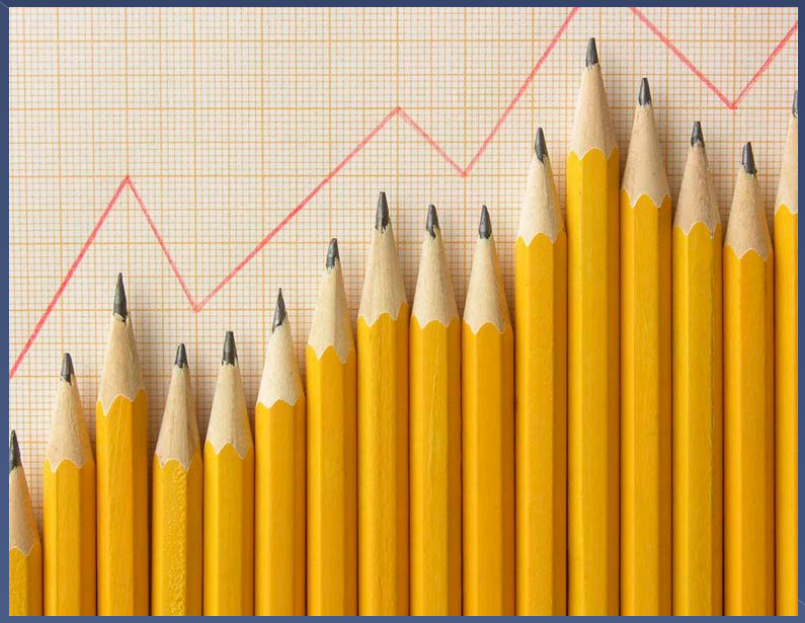


Monitoring Report on Science

April 2014

Power Goal 4:
Science

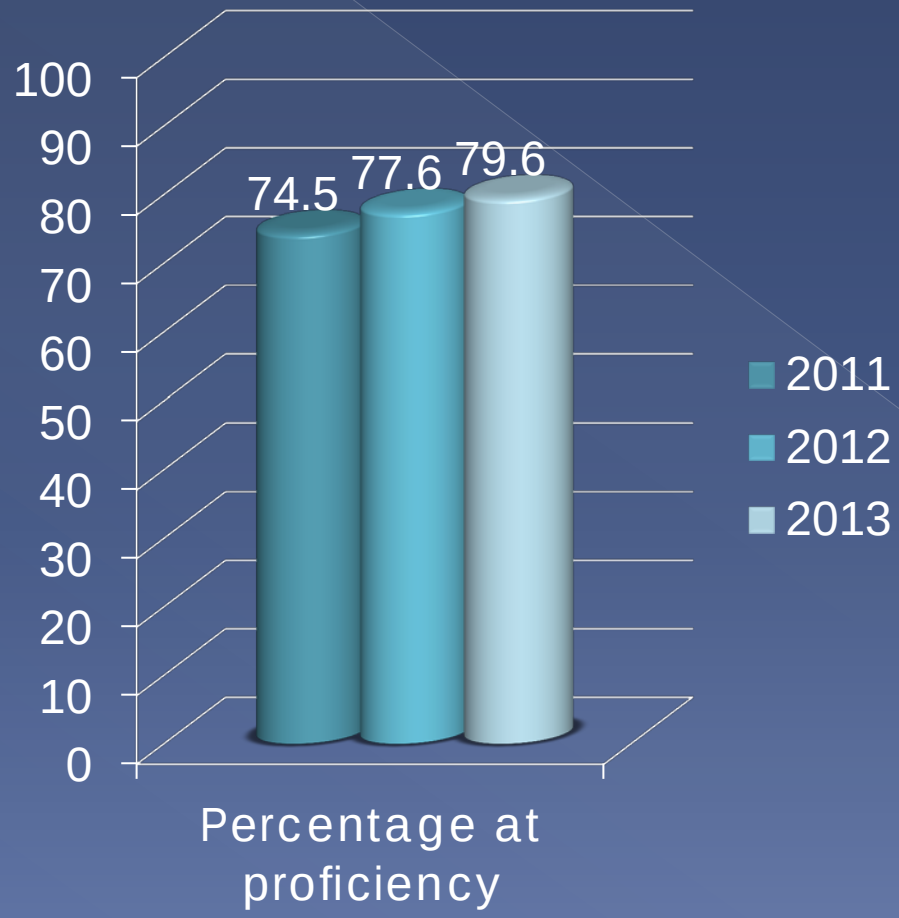
Proficiency level grades 3-HS

Power Goal 4: Science

Increase the percentage of students in grades 3-HS who score at proficiency/passing level

- **MEASURES:** Aggregated percentage scoring Met or higher on PASS Science in grades 3-8 and passing Biology end-of-course test

Power Goal 4: Science



STATUS:

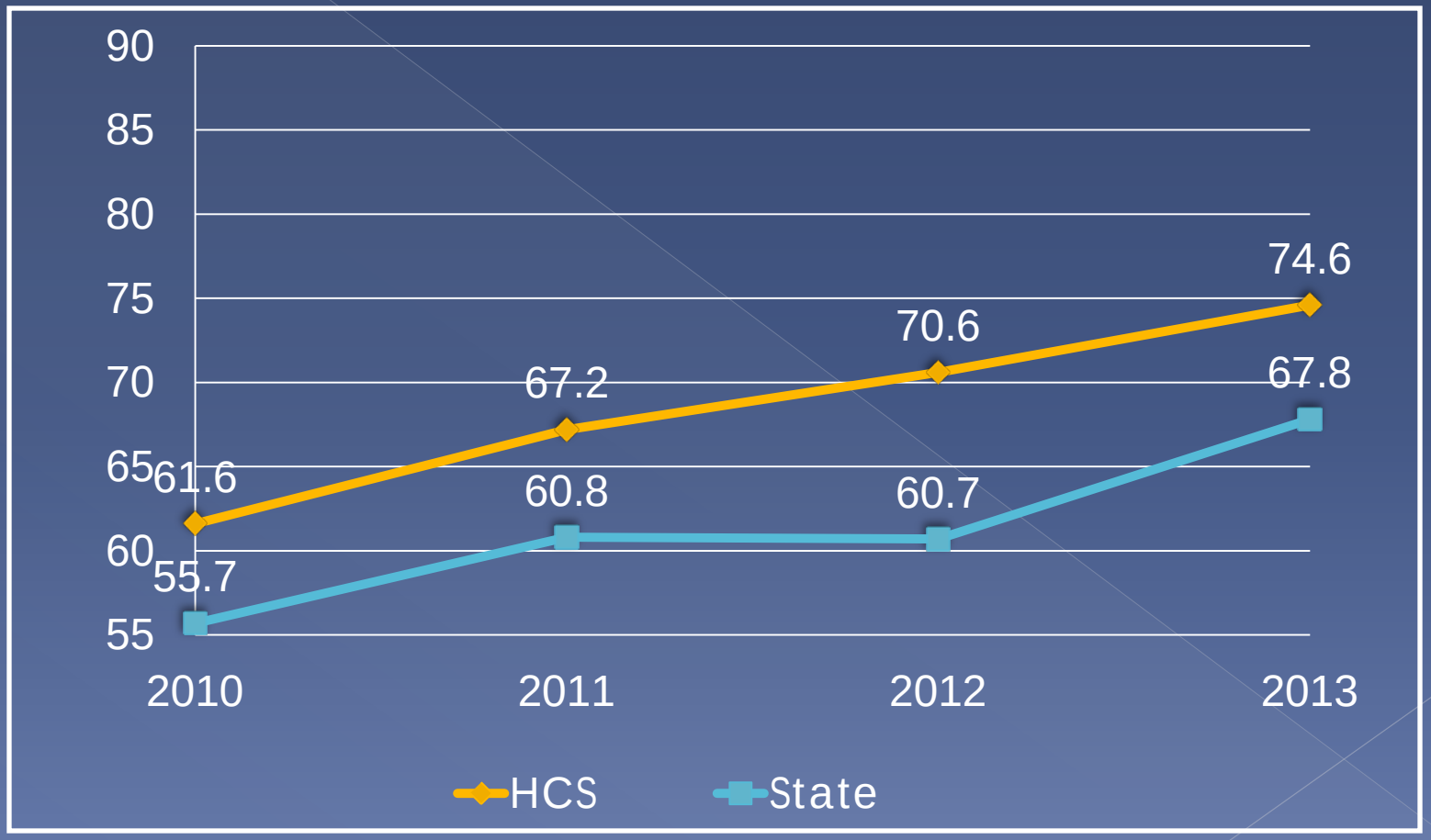
Up 2.0

Power Goal 4: Science

MEASURE DETAIL	2012	+/-	2013	+/-
PASS Science Grade 3 Met+	70.6%	+3.4	74.6%	+4.0
PASS Science Grade 4 Met+	78.3%	-0.8	80.4%	+2.1
PASS Science Grade 5 Met+	74.1%	+3.1	79.2%	+5.1
PASS Science Grade 6 Met+	71.7%	+1.7	72.5%	+0.8
PASS Science Grade 7 Met+	81.7%	+5.7	79.9%	-1.8
PASS Science Grade 8 Met+	79.8%	+5.0	79.4%	-0.4
Biology End-of-Course test pass rate	80.1%	+2.5	85.3%	+5.2

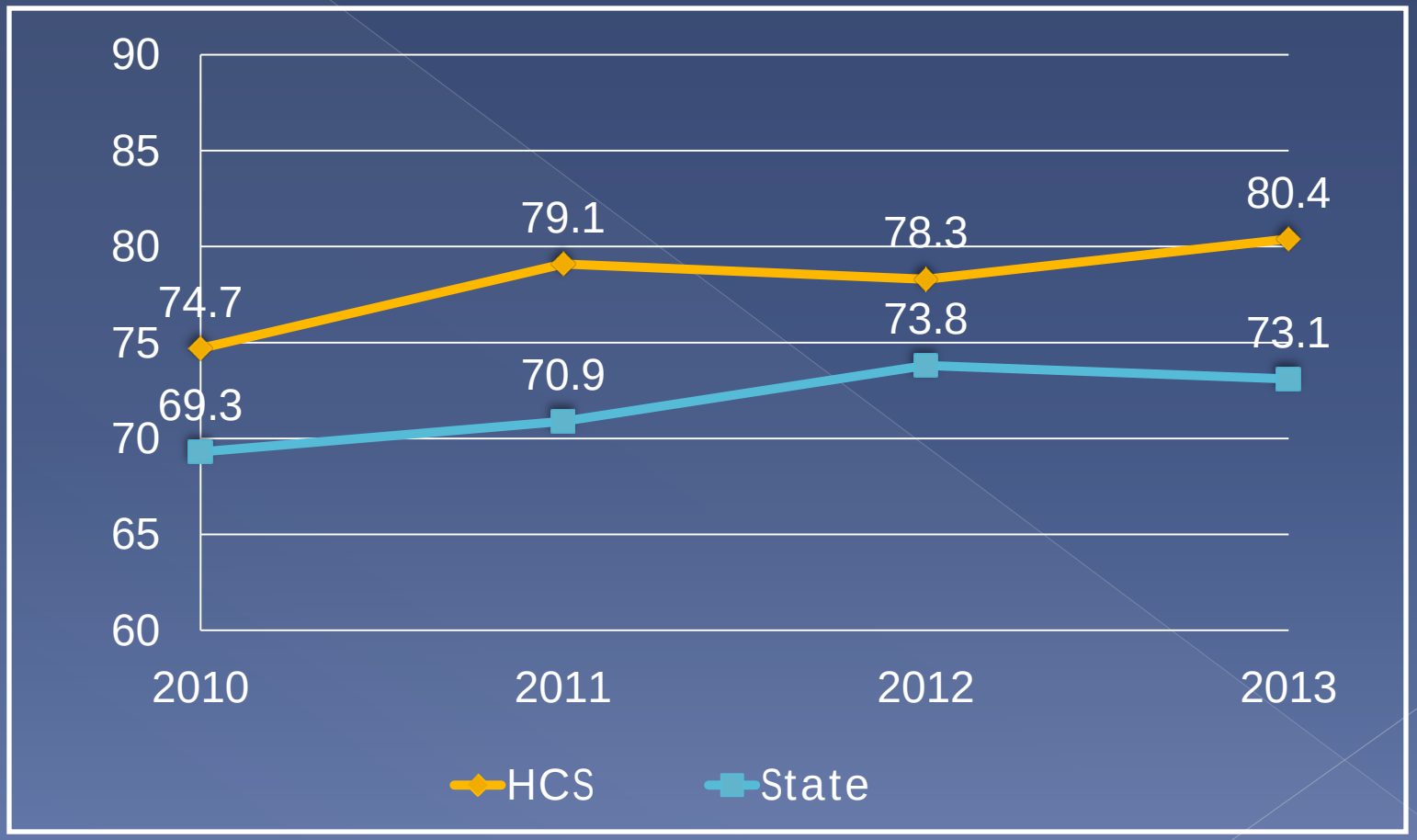
PASS Science

Grade 3: Percentage Met + Exemplary



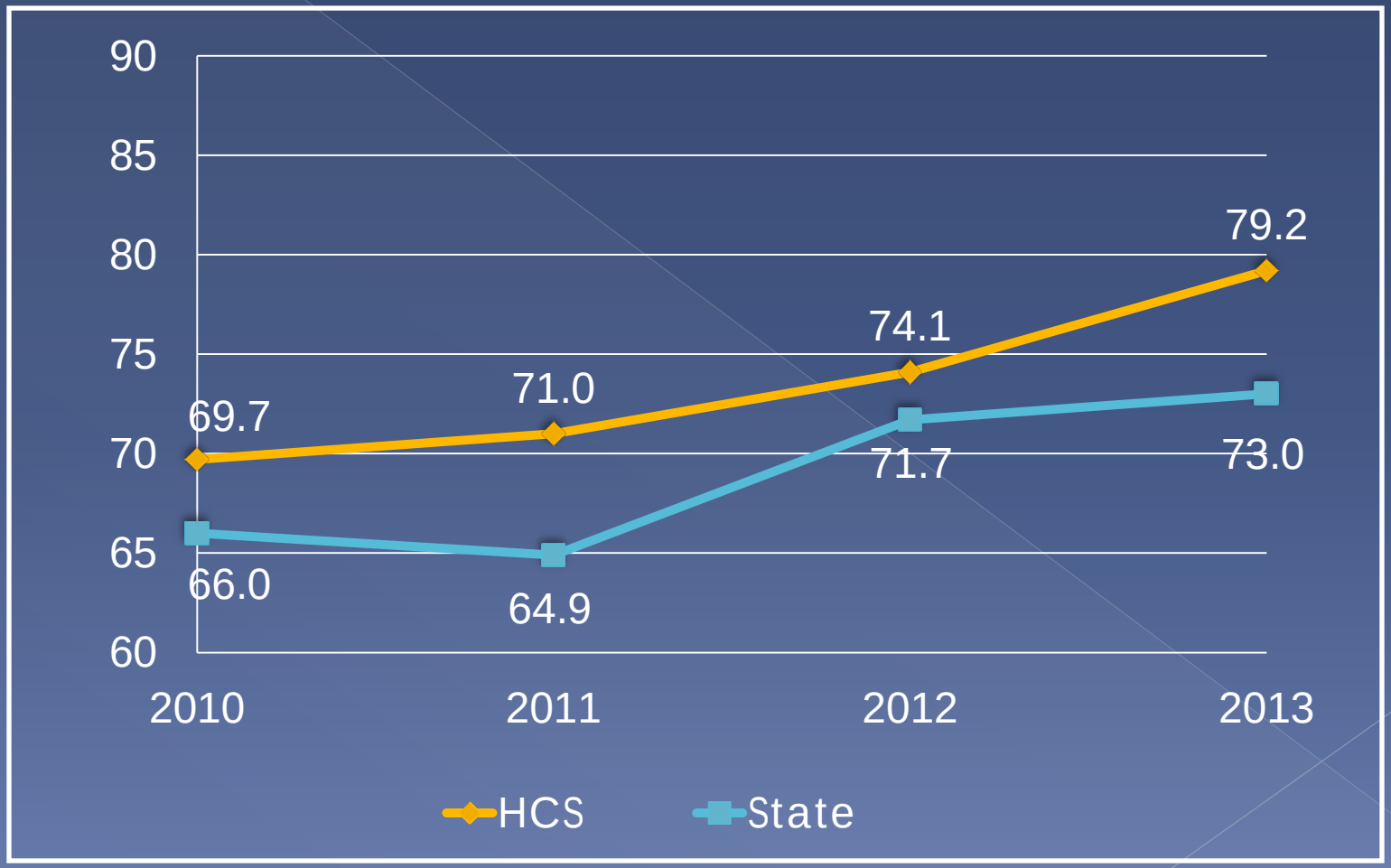
PASS Science

Grade 4: Percentage Met + Exemplary



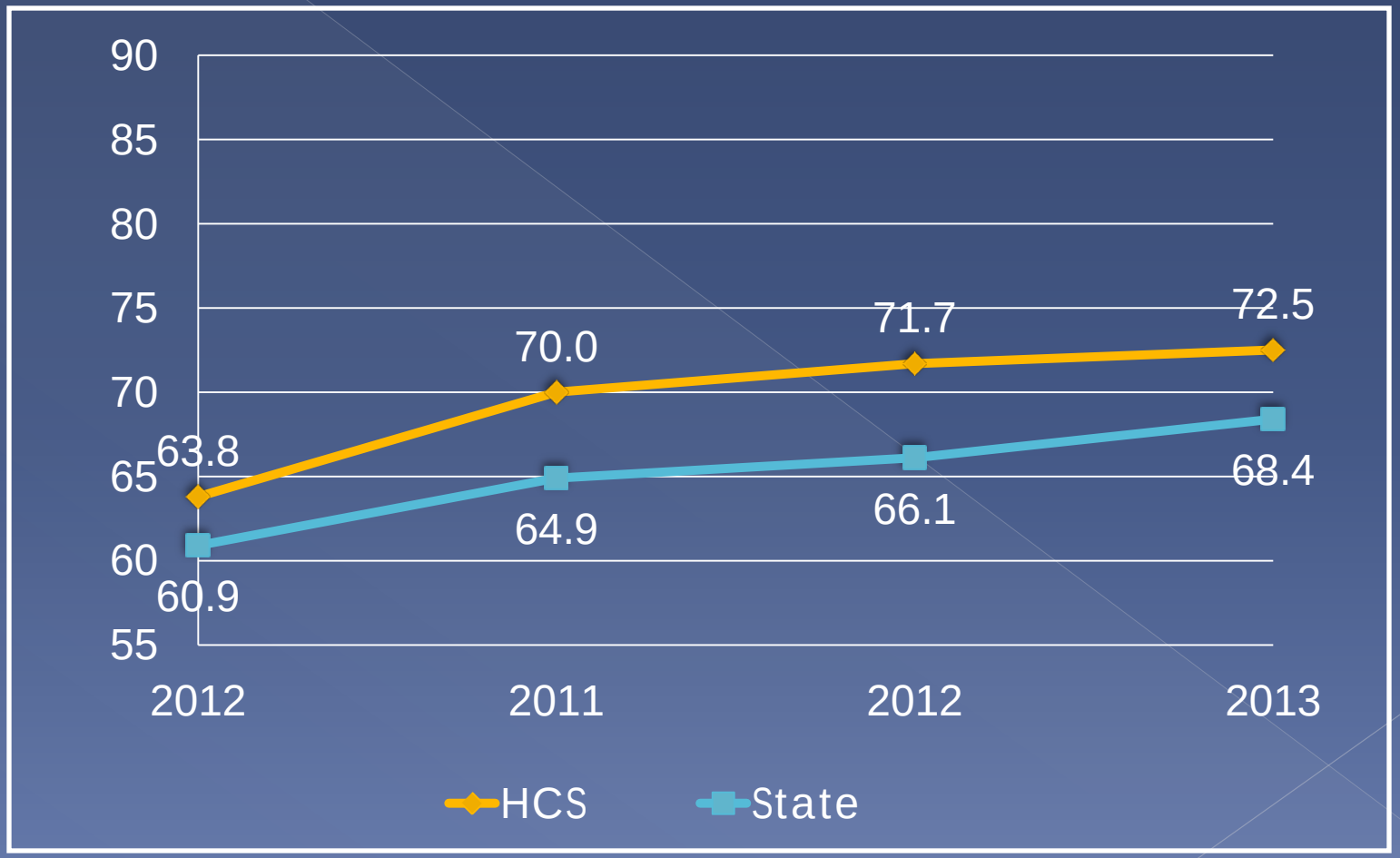
PASS Science

Grade 5: Percentage Met + Exemplary



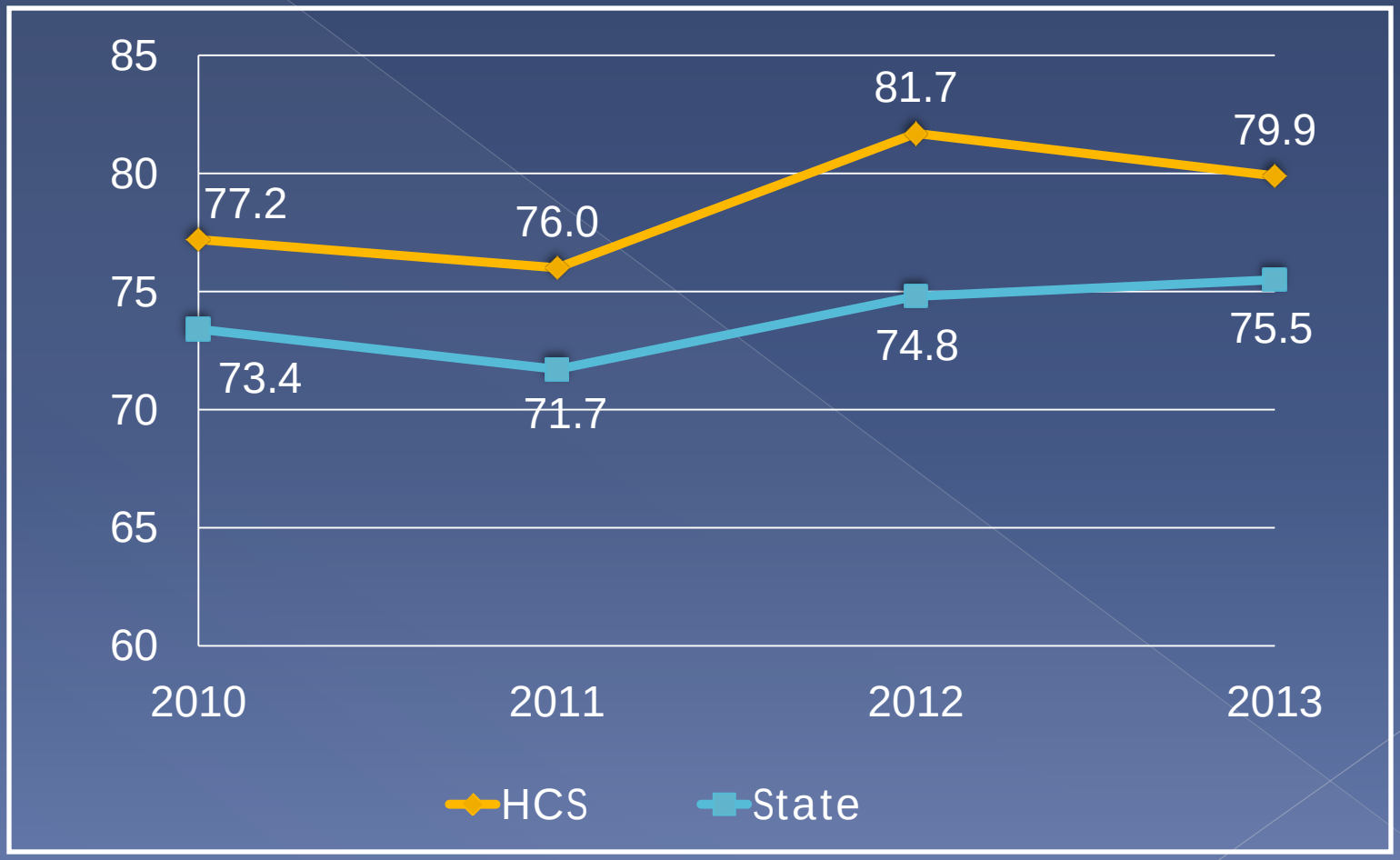
PASS Science

Grade 6: Percentage Met + Exemplary



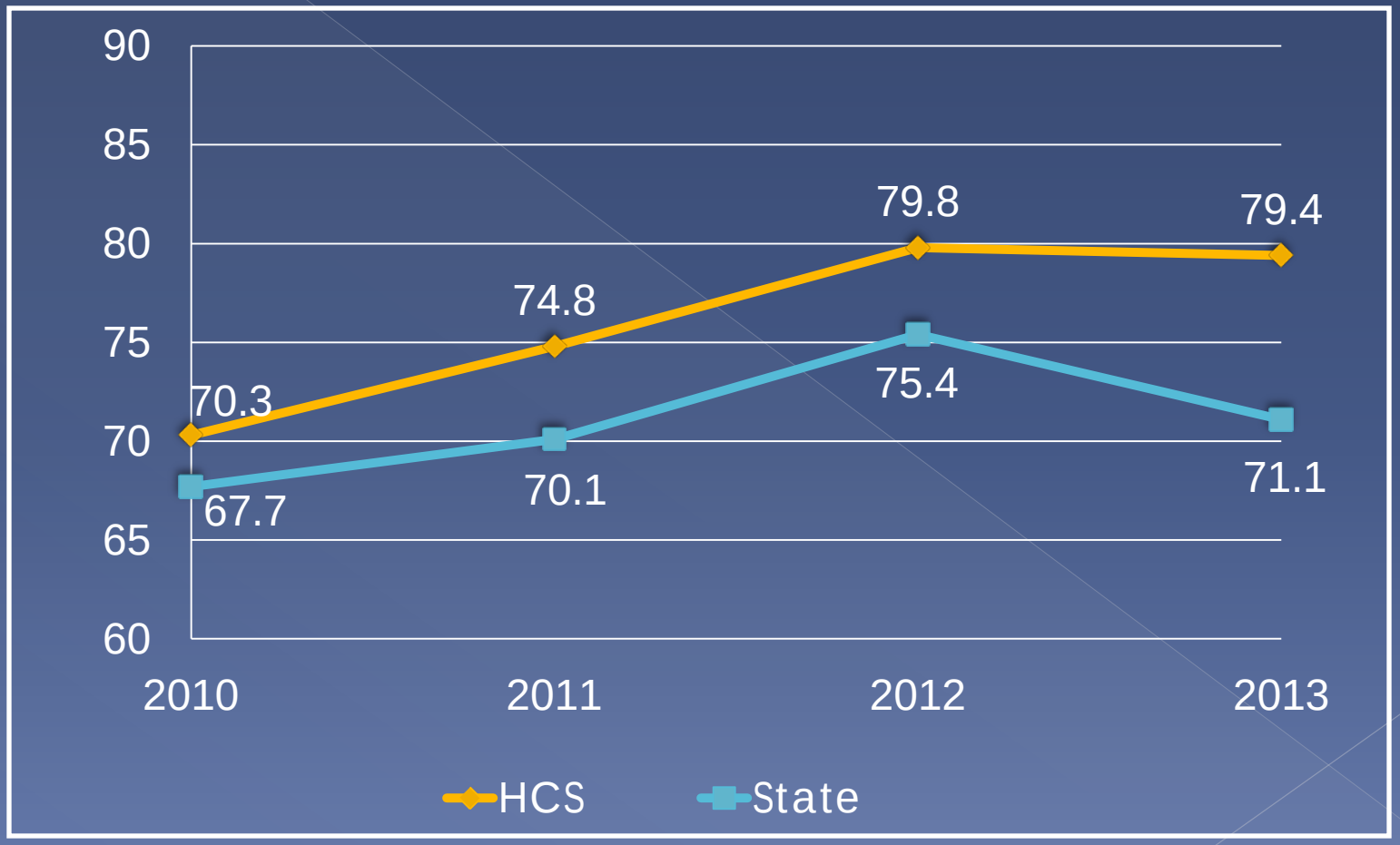
PASS Science

Grade 7: Percentage Met + Exemplary



PASS Science

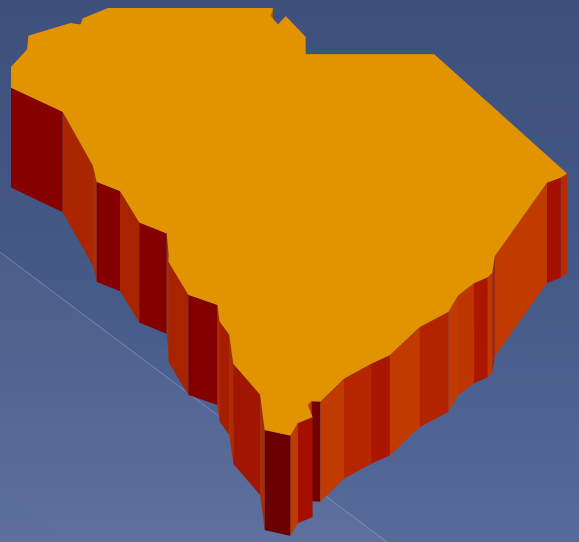
Grade 8: Percentage Met + Exemplary



2013 PASS Comparisons

Among the State's:

- Top Performing Districts
- Largest Districts
- Districts "Like Us"

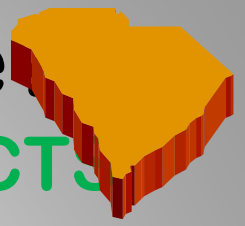


PASS

Science

How do we compare

TOP-PERFORMING DISTRICTS



2013 PASS Science: % Passing (Met+Exemplary)

Selected high performing districts:

Grade 3 (Half)	
York 4	89.6
Anderson 1	85.5
Lexington 5	81.3
Pickens	78.4
Lexington 1	74.8
HORRY ⇔	74.6

Grade 4 (All)	
York 4	90.8
Anderson 1	90.1
Lexington 5	83.5
Pickens	81.2
Lexington 1	80.7
HORRY ⇔	80.4

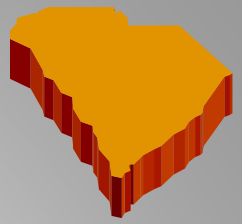
Grade 5 (Half)	
York 4	88.8
Anderson 1	85.2
Lexington 1	82.9
Lexington 5	82.7
HORRY ↑**1**	79.2
Pickens	78.6

PASS

Science

How do we compare?

LARGE DISTRICTS



2013 PASS Science: % Passing (Met+Exemplary)

SC's 6 largest school districts:

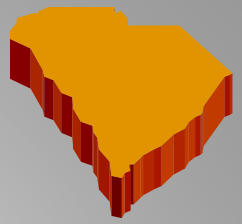
Grade 3 (Half)		**Grade 4** (All)		**Grade 5** (Half)	
HORRY ⇔	74.6	**HORRY** ↑**1**	80.4	**HORRY** ↑**2**	79.2
Greenville	72.8	Greenville	78.9	Greenville	77.0
Richland 2	70.9	Berkeley	76.4	Richland 2	76.4
Charleston	70.0	Charleston	73.3	Berkeley	74.9
Berkeley	67.7	Richland 2	72.9	Charleston	74.0
Aiken	61.4	Aiken	65.1	Aiken	67.1

PASS

Science

How do we compare?

SIMILAR POVERTY LEVELS



2013 PASS Science: % Passing (Met+Exemplary)

District's most like HCS by poverty index

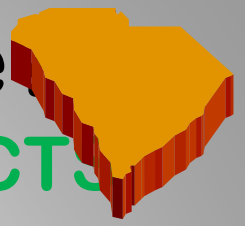
Grade 3 (Half)		**Grade 4** (All)		**Grade 5** (Half)	
Spartnburg 3	79.8	Spartnburg 3	81.9	Spartnburg 3	82.3
HORRY ⇔	74.6	**HORRY** ⇔	80.4	**HORRY** ⇔	79.2
Florence 1	72.2	Florence 1	75.7	Florence 1	74.1
Newberry	64.3	Newberry	75.4	Greenwd 50	70.2
Georgetown	63.1	Greenwd 50	69.4	Georgetown	68.3
Greenwd 50	59.7	Georgetown	64.9	Newberry	67.6

PASS

Science

How do we compare

TOP-PERFORMING DISTRICTS



2013 PASS Science: % Passing (Met+Exemplary)

Selected high performing districts:

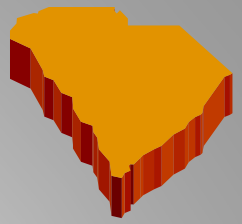
Grade 6 (Half)		**Grade 7** (All)		**Grade 8** (Half)	
Anderson 1	88.2	York 4	91.1	York 4	88.5
York 4	87.7	Anderson 1	88.0	Lexington 5	84.0
Lexington 5	80.1	Lexington 5	87.7	Anderson 1	80.8
Pickens	77.7	Lexington 1	82.8	Lexington 1	80.7
Lexington 1	76.9	Pickens	80.1	**HORRY** ⇔	79.4
HORRY ⇔	72.5	**HORRY** ↓1	79.9	Pickens	69.6

PASS

Science

How do we compare?

LARGE DISTRICTS



2013 PASS Science: % Passing (Met+Exemplary)

SC's 6 largest school districts:

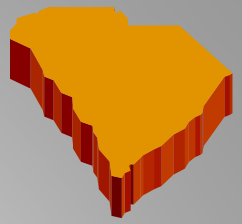
Grade 6 (Half)		**Grade 7** (All)		**Grade 8** (Half)	
HORRY ⇔	72.5	**HORRY** ⇔	79.9	**HORRY** ⇔	79.4
Greenville	71.8	Charleston	78.5	Greenville	74.1
Berkeley	69.5	Greenville	78.0	Charleston	71.7
Charleston	69.2	Berkeley	77.3	Berkeley	71.2
Aiken	66.4	Richland 2	73.9	Richland 2	68.1
Richland 2	62.8	Aiken	71.6	Aiken	64.6

PASS

Science

How do we compare?

SIMILAR POVERTY LEVELS



2013 PASS Science: % Passing (Met+Exemplary)

District's most like HCS by poverty index

Grade 6 (Half)

Spartnburg 3	83.6
HORRY ↓1	72.5
Greenwd 50	64.3
Florence 1	63.7
Georgetown	60.5
Newberry	58.0

Grade 7 (All)

Spartnburg 3	80.8
HORRY ↓1	79.9
Florence 1	79.7
Newberry	74.3
Greenwd 50	70.5
Georgetown	70.1

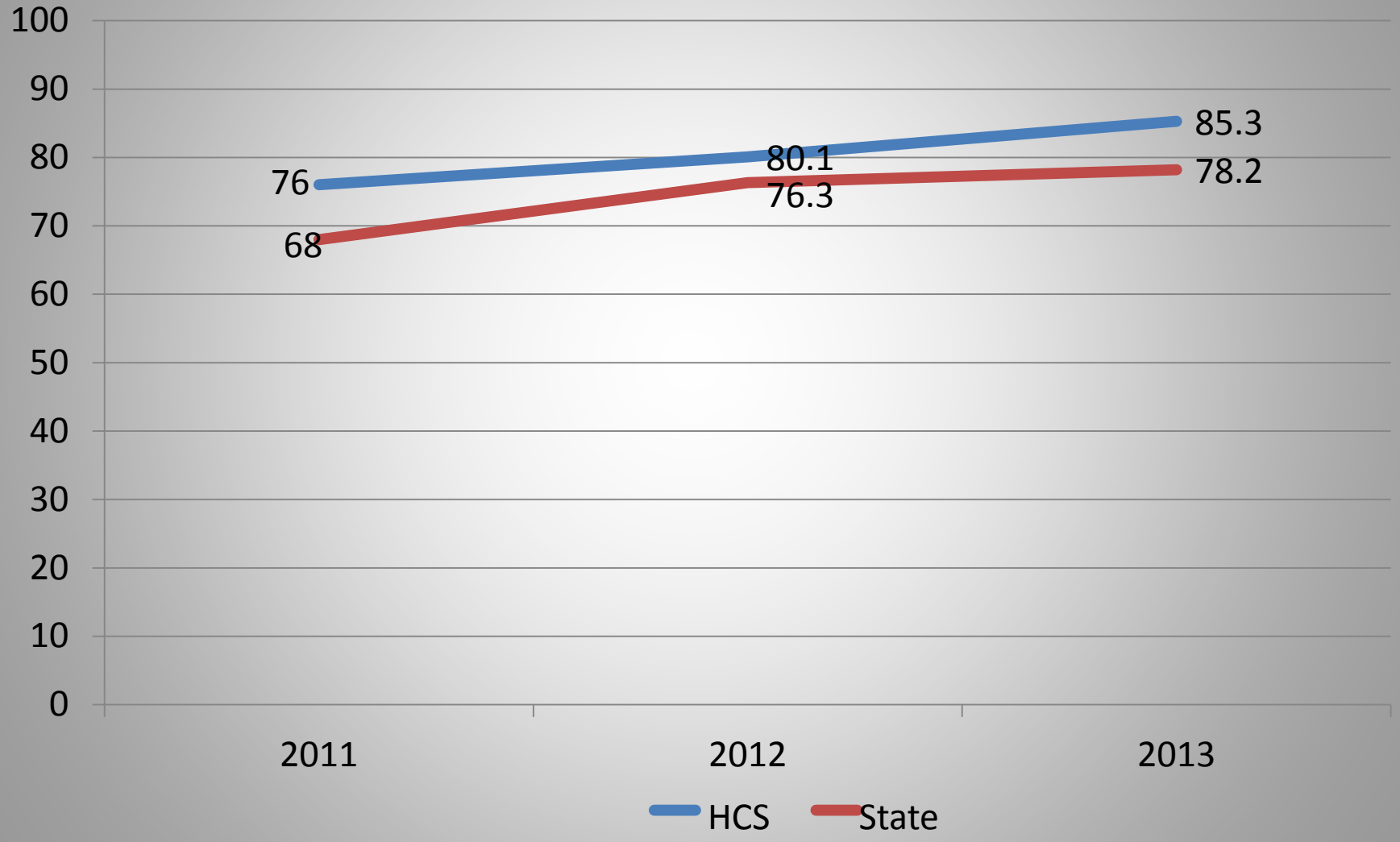
Grade 8 (Half)

HORRY ↑1	79.4
Spartnburg 3	78.0
Florence 1	71.0
Greenwd 50	66.6
Newberry	65.5
Georgetown	62.4

Biology
End-of-Course Test

Biology End-of-Course Test

% Passing



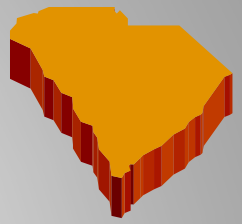
How do we compare?

High School

Biology End of Course Pass Rate

2013 Biology EOC:

- *Selected high performing districts*
- *Districts with similar size*
- *Districts with similar demographics*



High Performing		Largest Enrollment		Similar Demographics	
York 4	94.7	**HORRY ↑3**	85.3	Spartnbrg 3	87.8
Lexington 5	87.7	Greenville	84.7	**HORRY ↔**	85.3
Anderson 1	85.9	Berkeley	82.4	Georgetown	78.2
Lexington 1	85.9	Aiken	81.5	Florence 1	71.1
HORRY ↑1	85.3	Charleston	81.4	Grnwood 50	66.7
Pickens	81.8	Richland 2	79.6	Newberry	66.7