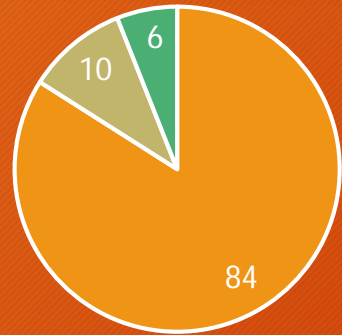
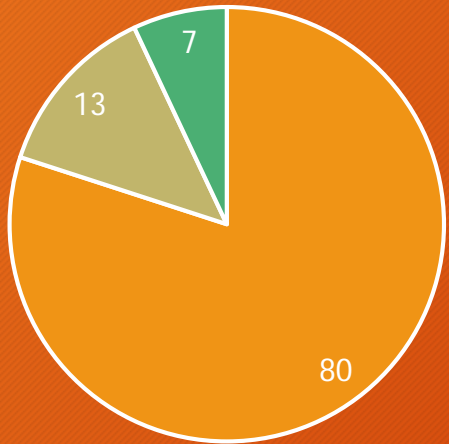


Regents Grading Recommendation

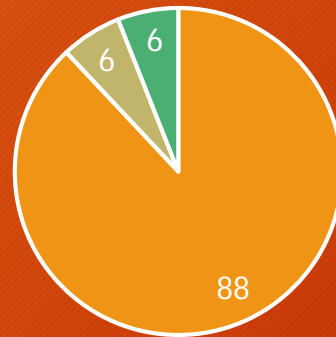
January 9, 2017

7 Scenarios Considered

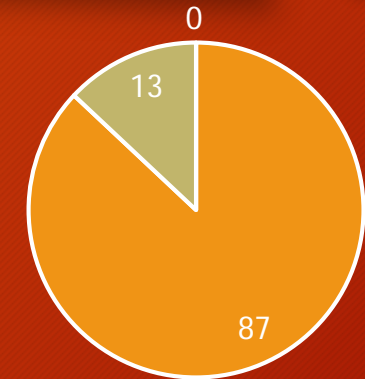
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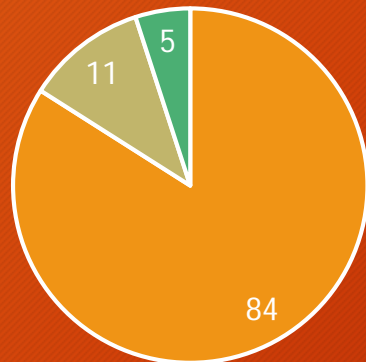
Quarter Regents
midterm



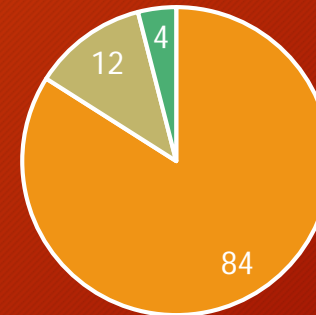
Quarter Regents
midterm



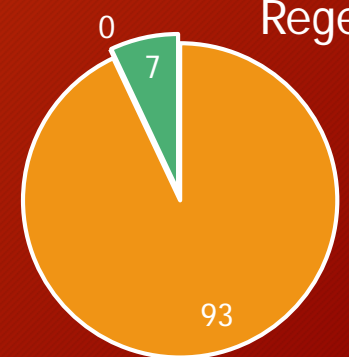
0%
Midterm



Quarter Regents
midterm



Quarter Regents
midterm



0%
Regents

Quarter Regents
midterm

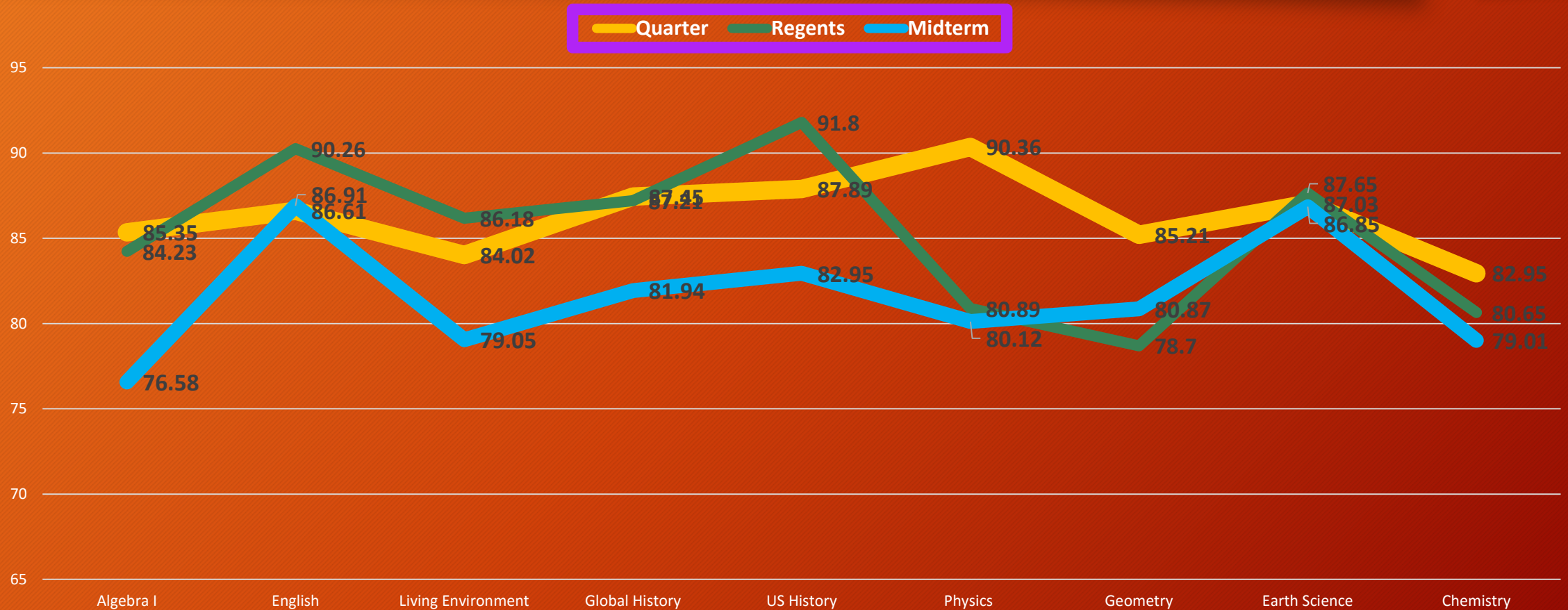
Relative Weighting of Regents Exams

2015-2016 SCHOOL YEAR															
Regent Exam	Quarter	Regents	Midterm	20/7/13 Final Average	Median	21/6/10 Final Average	Median	22/6/6 Final Average	Median	21/5/11 Final Average	Median	23.25/7/0 Final Average	Median	21.75/0/13 Final Average	Median
Algebra I	85.35	84.23	76.58	84.59	86.07	84.71	86.18	84.76	86.24	84.79	86.19	84.74	86.09	85.21	86.5
English	86.61	90.26	86.91	87.1	87.78	86.99	87.65	86.84	87.46	87.02	87.71	86.63	87.19	87.08	87.78
Living Environment	84.02	86.18	79.05	83.96	84.73	83.94	84.83	83.86	84.82	84.01	84.99	83.68	84.79	84.01	85.22
Global History	87.45	87.21	81.94	87.04	88.66	87.1	88.87	87.11	88.78	87.15	88.94	87.07	88.86	87.42	89.4
US History	87.89	91.8	82.95	88.05	88.93	87.99	88.83	88.78	88.76	88.08	88.97	87.55	88.59	88.4	89.22

2015-16 Average Quarter Grades v. Regents

Course	Quarter	Regents	R - Q	Midterm	M - Q	Final Average
Algebra I	85.35	84.23	-1.12	76.58	-8.77	84.59
English	86.61	90.26	3.65	86.91	0.3	87.1
Living Environment	84.02	86.18	2.16	79.05	-4.97	83.96
Global History	87.45	87.21	-0.24	81.94	-5.51	87.04
US History	87.89	91.8	3.91	82.95	-4.94	88.05
Physics	90.36	80.89	-9.47	80.12	-10.24	88.41
Geometry	85.21	78.7	-6.51	80.87	-4.34	84.13
Earth Science	87.03	87.65	0.62	86.85	-0.18	86.56
Chemistry	82.95	80.65	-2.3	79.01	-3.94	82.38

Quarter: Regents : Midterm



Results of Scenario

Scenario	Weighting			Average Quarter Grade	Average Regents Grade	Average Midterm Grade	Average Final Grade	Grade on Transcript
	Q%	M%	R%					
A	20%	7%	13%	85	84	77	84	84
B	21%	6%	10%	85	84	77	85	84
C	22%	6%	6%	85	84	77	85	84
D	21%	5%	11%	85	84	77	85	84
D	21%	4%	12%	85	84	77	85	85
E	23.25%	7%	0%	85	84	77	85	85
F	21.75%	0%	13%	85	84	77	85	84

Best Scenario Exercise

(7% M T & 13% R)

Quarter Average	85
Mid-Term Exam	77
Regents Exam	84
Final Average	84.31

Final Average (7% M T & 13% R)	84.31
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Final Average (6% M T & 10% R)	84.42
--------------------------------	-------

Final Average (6% M T & 6% R)	84.46
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Final Average (5% M T & 11% R)	84.49
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Final Average (4% M T & 12% R)	84.56
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Final Average (7% M T & 0% R)	84.44
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Final Average (0% M T & 13% R)	84.87
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Highest Grade	84.87
Best Scenario	0% M T & 13% R

What does the Data Reveal?

- The various scenarios have a miniscule impact on the average grade
- Quarters are more closely correlated to the Regents grade than the Midterm grades average quarter grade
- For the 4 of the 5 required Regents exams (English, Living Environment, Global Regents and U.S History) required for graduation, the average Regent exam grade is greater than the average Quarter grade. (The Midterm in English is the Regents for the Honors group)
- For Algebra I the Regents is 1 point lower than the Quarter grade
- In the past 3 years the average Regents grade is within 4 points of Quarter grades for all subjects except Algebra 2015, Geometry 2016 and Physics 2016

2015 Algebra Results with 2016 Algebra Scale

Average Quarter Grade:	83.66
Average 2015 Algebra Regents Grade (2015 scale)	77.75
Average 2015 Regents Grade RESCALED:	83.05
2016 Scale applied to 2015 Algebra Scores	
Average Midterm Grade:	73.69

Final Grade	BEFORE Regents (87%)	2015 Scale	RESCALED with 2016 Scale
MEAN	82.86	82.19	82.88
MEDIAN	84.37	83.32	84.13

What does the Data Reveal?

- The Regents exams are a good measure of the cumulative knowledge and skills acquired over the course of the school year
- There is a certain level of unpredictability that comes with the scales assigned to the Common Core Regents exams in Mathematics
 - When the 2016 Algebra scale is applied to the 2015 Algebra scores the average grade is increased by 5.31 points.

Recommendations

- Final Grades should be determined by the grades earned on Regents, Quarter grades and Midterm
- The impact of Midterm and Regents on the final grade should be maintained at a ratio of 2:1
- Increase the impact of Quarter grades as they are obtained using multiple measures over the quarter
- Reduce the impact of the Regents and Midterms on the final average as they are one time measures of performance

Recommendation Continued

- In the event that the Average Regents score (obtained by the entire cohort) varies by 6 or more points from the average Quarter grade, the superintendent will be granted the authority to readjust the scale to provide a local Regents score for calculation into the Final Grade.
- The official Regents grade obtained from the State scale for that year will appear on the transcript unadjusted, as is required by regulations; however, the final average will be obtained using the readjusted local Regents grade.

Recommendation Continued

- Rescale the 2015 Algebra Regents exam using the 2016 Algebra scale and recalculate the final averages using the adjusted Regents grade
- Move from a 80/13/7% formula to 84/11/5 %
- The new grading criteria should be applied to the calculation of 2016-17 grades