

# Class Rank/QPA

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## Current methods

- ▶ Top 10 in graduation program
- ▶ Verbal recognition of Valedictorian and Salutatorian

## Why are we proposing to eliminate class rank?

- ▶ Students manipulating the system to boost QPA i.e. not taking classes that interest or benefit them in their future.
- ▶ Has no effect on getting into a college or university.
- ▶ The new calculation of QPA and weight added at the end of the course simplifies the calculation process.
- ▶ Undue stress

Rank		Example 1	Example 2	Example 3	Example 4	Example 5			
	Class size	200 or less	200 or less	more than 200	more than 200	more than 200			
1		4.1534	4.1875	4.31818	4.31818	4.41667		Summa Cum Laude	4.1 and above
2		4.1491	4.1463	4.3125	4.3125	4.39286		Magna Cum Laude	3.9-4.09
3		4.1404	4.1039	4.30769	4.26923	4.38636		Cum Laude	3.8-3.89
4		4.1343	4.0748	4.30769	4.25	4.36667		NHS eligible	
5		4.1339	4.0623	4.26923	4.23214	4.35714			
6		4.1311	4.0442	4.23333	4.23077	4.35			
7		4.1172	4.0244	4.19231	4.19231	4.325			
8		4.1167	4.0069	4.18182	4.16071	4.3125			
9		4.0977	4.0068	4.17857	4.14583	4.30769			
10		4.0855	3.9873	4.125	4.14286	4.26667			
		4.0633	3.946	4.125	4.13636	4.25			
		4.0586	3.9342	4.125	4.13462	4.25			
		4.0576	3.9274	4.11538	4.10714	4.21429			
		4.0492	3.8914	4.10714	4.09091	4.2			

Rank	Class size	Example 1 200 or less	Example 2 200 or less	Example 3 more than 200	Example 4 more than 200	Example 5 more than 200			
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		4.0576	3.9274	4.11538	4.10714	4.21429			
		4.0492	3.8914	4.10714	4.09091	4.2			
		4.0046	3.8779	4.1	4.09091	4.16667			
		4.0014	3.8556	4.09091	4.08333	4.15625			
		3.9994	3.8472	4.0625	4.07692	4.15385			
		3.9853	3.8282	4.04545	4.07353	4.11538			
		3.9838	3.8059	4.04167	4.07143	4.10714			
		3.9474	3.7735	4.03846	4.04167	4.09375			
		3.9422	3.7688	4	4.03448	4.08621			
		3.9208	3.7649	4	4.03125	4.03846			
		3.9	3.7536	4	4	4.02778			
		3.8968	3.7479	4	4	4			
		3.8708	3.6916	4	4	4			
		3.8675	3.6896	4	4	4			
		3.8376	3.6818	4	4	4			
		3.8122	3.6739	4	4	4			
		3.7826	3.6391	4	3.95833	4			
		3.7499	3.6347	3.96774	3.95455	3.98077			
		3.7495	3.6214	3.96774	3.90909	3.96667			
		3.7292	3.6177	3.95455	3.90909	3.96429			
		3.7058	3.6138	3.95	3.9	3.95455			
		3.7007	3.6095	3.93333	3.89091	3.9375			
		3.6767	3.6016	3.9125	3.88462	3.93478			
		3.6636	3.5988	3.90714	3.875	3.92308			
		3.6185	3.593	3.9	3.875	3.91667			
		3.6154	3.5921	3.89286	3.85714	3.90625			
		3.6112	3.5879	3.88462	3.85	3.9			
		3.5871	3.5756	3.88462	3.83333	3.88462			
		3.5802	3.5702	3.88462	3.82143	3.88462			
		3.5658	3.5395	3.88372	3.81818	3.86667			
		3.5053	3.5171	3.875	3.80357	3.85714			
				3.86667	3.79545	3.84615			
				3.84783	3.79167	3.8125			
				3.83333	3.75	3.80769			
				3.77273	3.75	3.8			
				3.75806	3.75	3.79167			
				3.75385	3.73077	3.76667			
				3.75	3.72115	3.76667			
				3.75	3.71875	3.76667			
				3.72727	3.71875	3.75862			
				3.70833	3.71875	3.75			
				3.7	3.71429	3.75			
				3.68182	3.71429	3.75			
				3.66667	3.7	3.73214			
				3.66667	3.64286	3.71429			
				3.65385	3.625	3.71429			
				3.65	3.61364	3.71154			
				3.64286	3.59091	3.69231			
				3.64286	3.59091	3.6875			
				3.625	3.58929	3.65385			
				3.62143	3.57143	3.65385			
				3.60714	3.56597	3.65			
				3.57692	3.55	3.625			
				3.55385	3.55	3.61538			
				3.55	3.53571	3.61111			



# Colleges now base admission on a more holistic view

- ▶ Factors include:
  - ▶ Rigor of courses
  - ▶ SAT/ACT Scores
  - ▶ QPA
  - ▶ Extracurricular activities
  - ▶ Community service
  - ▶ Employment experience
  - ▶ Letters of recommendation
  - ▶ Positions of leadership
  - ▶ Personal essay
- ▶ It is much more likely to be asked where you fall in a class composition ex. top 5%, 10% than it is to answer class rank.

# New designations

## Beginning with the class of 2019

- ▶ Summa Cum Laude
- ▶ Magna Cum Laude
- ▶ Cum Laude

## Reasoning

- ▶ More collegiate
- ▶ Recognizing high academic achievement
- ▶ Recognition beyond current limit of 10 students



## Under new method

- ▶ Students that are very deserving of recognition for high academic achievement can now receive that designation.
- ▶ Permits students to work toward their own goals and accomplishments independently to pursue individual interests and career paths.
- ▶ Eliminates competing against peers to achieve limited designations.
- ▶ Eliminates students feeling they must take weighted courses of no interest.

# Calculation of QPA

- ▶ Currently weight is distributed evenly for each 9 weeks and is awarded quarterly.
- ▶ Sample equation with AP courses

$$(** \text{ Credit}) * (\text{Grade} + \text{Add on}) + (\text{Credit}) * (\text{Grade} + \text{Add on}) + (\text{Credit}) * (\text{Grade} + \text{Add on}) + (\text{Credit}) * (\text{Grade} + \text{Add on}) = \text{one class quality points}$$

Sum of all quality points / total credits = WQPA

\*\*These credits are typically 0.25 for each 9 week period

<u>AP / Dual Enrollment</u>	<u>Add On Factor</u>	<u>Honors</u>	<u>Add On Factor</u>
A	.50	A	.25
B	.40	B	.18
C	.30	C	.10
D	No Weight Assigned	D	No Weight Assigned
E	No Weight Assigned	E	No Weight Assigned



# Beginning with the class of 2020

$(\text{Credit}) * (\text{Grade} + \text{Add on}) = \text{one class quality points}$   
 $\text{Sum of all classes' quality points} / \text{total credits} = \text{WQPA}$

<u>AP / Dual Enrollment</u>	<u>Add On Factor</u>	<u>Honors</u>	<u>Add On Factor</u>
A	.50	A	.25
B	.40	B	.18
C	.30	C	.10
D	No Weight Assigned	D	No Weight Assigned
E	No Weight Assigned	E	No Weight Assigned

- Ties more likely to occur
- Under updated rank/recognition, less important to colleges.

# How does this calculation impact overall WQPA?

Course Type	Credit Value	Old Weighted	New Weighted
A	1	3.95	3.4
A	1	4.5	4.5
A	1	4.225	4.5
H	1	3.715	3.18
H	1	4.25	4.25
		4.026	3.9932
			3.9932
			4.0256
			-0.0324

Course Type	Credit Value	Old Weighted	New Weighted
A	1	3.95	4.5
H	1	4.25	4.25
H	1	4.25	4.25
H	1	3.9825	4.25
H	1	4.25	4.25
H		3.715	4.25
		3.971309524	4.035714286
			4.035714286
			3.971309524
			0.064404762

# How does this calculation impact overall WQPA?

Course Type	Credit Value	Old Weighted	New Weighted
A	1	4	4.5
A	1	4.225	4.5
A	1	3.125	3.4
A	1	4.5	4.5
A	1	3.95	3.4
H	1	3.4475	3.18
H	1	4	4.25
H	1	3.9825	4.25
		<b>3.968825911</b>	<b>3.999190283</b>
			3.999190283
			3.968825911
			0.030364372

Course Type	Credit Value	Old Weighted	New Weighted
A	1	4.5	4.5
A	1	4.5	4.5
A	1	4.5	4.5
H	1	4.25	4.25
H	1	4.25	4.25
H	1	4.25	4.25
		<b>4.101351351</b>	<b>4.101351351</b>
			4.101351351
			4.101351351
			0

# Summary of calculations

- ▶ 75% of the time, there is a slight benefit to student
- ▶ 25% of the time there is a slight negative impact to the student
- ▶ The average impact of the change is 0.015

# Overall

- ▶ We are able to recognize high academic achievement of more students that have earned the accomplishment as individuals and simplify the method in calculating the overall QPA.
- ▶ The majority of Allegheny, Butler and Washington County schools are trending this direction. Many have adopted policies.
- ▶ We would be the first in Beaver County.