Weighted and unweighted GPA: the 5.0 scale by letter and level

Unweighted: every course on the 4.0 scale. Weighted: Honors +0.5, AP / IB / dual enrollment +1.0 on passing grades (North Carolina state quality points since 2015-16; the Alexandria City, VA scale applies them down to C+). GPA = sum of (points x credits) / sum of credits, on each scale.

Letter	Percentage	Unweighted	Honors (+0.5)	AP / IB (+1.0)
A+	97-100	4.0	4.5	5.0
A	93-96	4.0	4.5	5.0
A-	90-92	3.7	4.2	4.7
B+	87-89	3.3	3.8	4.3
B	83-86	3.0	3.5	4.0
B-	80-82	2.7	3.2	3.7
C+	77-79	2.3	2.8	3.3
C	73-76	2.0	2.5	3.0
C-	70-72	1.7	2.2	2.7
D+	67-69	1.3	1.8	2.3
D	65-66	1.0	1.5	2.0
F	below 65	0.0	0.0	0.0

Worked example (two weighted courses in six)

Course	Level	Grade	Points	Weighted	Credits
English 10	Standard	A	4.0	4.0	1.0
AP Calculus AB	AP	B+	3.3	4.3	1.0
Honors Chemistry	Honors	A-	3.7	4.2	1.0
US History	Standard	B	3.0	3.0	1.0
Spanish 3	Standard	A	4.0	4.0	1.0
PE	Standard	A	4.0	4.0	0.5
Total			20.00	21.50	5.5

Unweighted 3.64, weighted 3.91; the gap, 0.27, is the bonuses (1.0 + 0.5) over 5.5 credits. The gap between the two GPAs is always the total bonus earned divided by the total credits.

From sciencewithshobha.com/blog/weighted-gpa-calculator-and-unweighted-gpa-calculator-the-5-0-scale-the-honors-and-ap-weights-how-to-convert-between-the-two-and-what-colleges-do-with-each/ · 1-on-1 online maths and science, Grades 6 to 12, free 30-minute first class.

The maximum weighted GPA, converting, and your courses

Maximum weighted GPA with straight A grades, by course mix

AP / IB share	Honors share	Maximum
none	none	4.00
none	half	4.25
none	all	4.50
a quarter	none	4.25
a quarter	a quarter	4.375
half	none	4.50
half	half	4.75
three quarters	a quarter	4.875
all	none	5.00

Converting between the two

[ ] Weighted to unweighted: not from the number alone. The gap is the sum of bonuses over credits, which depends on how many weighted courses were taken and passed. With the course list: remove each bonus and recompute.

[ ] Same-level shortcut only: all-AP straight A = 4.0 unweighted, 5.0 weighted; all-Honors B = 3.0 and 3.5.

[ ] A B in AP (4.0 weighted, 3.0 unweighted) and an A in a standard course (4.0, 4.0) tie on the weighted scale and differ by a point on the unweighted; a C in AP (3.0, 2.0) loses on both.

Your courses

Course	Level	Grade	Unweighted	Weighted	Credits
Total					

Unweighted GPA = total unweighted x credits / credits. Weighted GPA = total weighted x credits / credits.