High school GPA: the tables, the method and a worked example

GPA = sum of (points x credits) / sum of credits. Points by letter below (College Board's 4.0 scale with the plus-minus steps of published district scales). Weighted: add 0.5 for Honors and 1.0 for AP, IB and dual enrollment to passing grades (North Carolina state policy; Alexandria City, VA, applies it down to C+). Then multiply by credits (1 full-year, 0.5 semester), add, divide.

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

10-point scale without pluses (North Carolina and many districts): 90-100 A 4.0, 80-89 B 3.0, 70-79 C 2.0, 60-69 D 1.0, below 60 F. Some schools give A+ 4.3.

Worked example

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 GPA = 20.00 / 5.5 = 3.64. Weighted GPA = 21.50 / 5.5 = 3.91. The half-credit course counts half; the B+ in AP Calculus (3.3, 4.3 weighted) is above the unweighted A in English on the weighted scale.

From sciencewithshobha.com/blog/high-school-gpa-calculator-how-to-calculate-your-gpa-weighted-and-unweighted-on-the-4-0-scale-with-the-letter-to-point-tables-the-honors-and-ap-weights-and-a-worked-example/ · 1-on-1 online maths and science, Grades 6 to 12, free 30-minute first class.

Your transcript, GPA to percentage, and what one grade step is worth

Your courses

Course	Level (S / H / AP)	Grade	Points	Bonus	Credits	Points x credits	Weighted x credits
Total							

Unweighted GPA = total of points x credits / total credits. Weighted GPA = total of weighted x credits / total credits.

GPA to percentage (roughly)

GPA	4.0	3.7	3.5	3.3	3.0	2.7	2.3	2.0	1.7	1.0
Letter average	A	A-	A-/B+	B+	B	B-	C+	C	C-	D
Percentage	93-100	90-92	89-90	87-89	83-86	80-82	77-79	73-76	70-72	65-66

One letter step in one course moves the GPA by

Credits counted	4	6	8	12	18	24
B to B+ (0.3) in a 1-credit course	0.075	0.050	0.037	0.025	0.017	0.012
B to A (1.0) in a 1-credit course	0.250	0.167	0.125	0.083	0.056	0.042

Your plan

Unweighted and weighted GPA now: _____

The course one step below the next letter: _____

What that course needs this term (from the final grade sheet): _____