

Grade Calc. Options Explanation

As you prepare your grade books, we want to make sure everyone had a full understanding of the options you can choose from to calculate your grades. Please review the choices below and then the attached document for a more detailed explanation of each choice.

The vast majority of teachers use choice 1 or 4 because they are the most straightforward. Choice 1 is the most common. Please see me or a Tech Mentor if you have any questions!

Choices:

1. **Use Weighted Categories** (p. 2) - total points earned in the category divided by total points possible in the category, then multiplied by the % weight you set, then each category % added together for a final average
2. **Use Score % Values** (p.3) –Each individual assignment turned into a % within a category, then added together, then divided by the number of assignments in that category. Then the % of each of the categories is added together, and divided by the number of categories to get the final average.
3. **Use BOTH Weighted Categories and Score % Values** (p.4) – Each individual assignment turned into a % within a category, then added together, then divided by the number of assignments in that category. Then that number is multiplied by the percentage (weight) you set for each category. Each category % is then added together to get the final average
4. **Use NEITHER Weighted Categories or Score % Values** (p.5) – Total points divided by Total points available (regardless of category)

Using Weighted Categories: (Weight Categories is checked in Grade Calc Options)

For this example the Weights are: Class Participation: 15% (.15) HW: 25% (.25) Tests/Quizzes: 60% (.6)

- The TOTAL points earned in EACH category is turned into a percentage by dividing the total points earned in that category by the available points for that category. Note that the multiplier for each assignment is applied to that assignment in the calculation of total points earned as well as total points available.

In the example, the test named TIME has a multiplier of 2 applied to it. The student received a grade of 100 out of the 100 points that the test was worth. This means that the student earned $2 \times 100 = 200$ points out of $2 \times 100 = 200$ points available. Therefore in totaling points earned and points available for the Test/Quizzes category, the TIME test contributes 200 points to each; earned and available.

Similarly, the VOCAB test only has a multiplier of one. The student received a grade of 9 out of the 10 points that the test was worth. This means that the students earned $1 \times 9 = 9$ points out of $1 \times 10 = 10$ points available. Therefore in totaling points earned and points available for the Test/Quizzes category, the TIME test contributes 9 points to points earned and 10 points to points available.

The percentages for each Category are calculated as follows:

| Category | Class Participation | Homework | | | Tests/Quizzes | |
|---------------------|---------------------|---|-------|-------|--|-------|
| Assignment | CP | QUEST | COURS | SAQRR | TIME * | VOCAB |
| Points Earned | 90 | 10 | 10 | 12 | $2 \times 100 = 200$ | 9 |
| Points Available | 100 | 10 | 10 | 25 | $2 \times 100 = 200$ | 10 |
| Category Percentage | $90 / 100 = 90\%$ | $(10 + 10 + 12) / (10 + 10 + 25) = 32 / 45 = 71.11\%$ | | | $(200 + 9) / (200 + 10) = 209 / 210 = 99.52\%$ | |

*Multiplier of 2

- Each category has a weight assigned (a percentage) that is applied to the Category Percents calculated in Step 1. This calculation forms the Posted Grade.

Class Participation: $.15 \times 90\% = 13.5\%$

HW: $.25 \times 71.11\% = 17.775\%$

Tests/Quizzes: $.6 \times 99.52\% = 59.712\%$

$13.5\% + 17.775\% + 59.712\% = 90.9895\%$ POSTED GRADE = 91

| Save | Grade Totals | Fill and Comments | In Progress | | | | Categories | | | CP | QUEST | COURS | SAQRR | TIME | VOCAB |
|----------|--------------|-------------------|-------------|----------|---------|------------|---------------------|----------|-------------------------|--|---|---|---|---|--|
| | | | Points | Possible | Percent | Post Grade | Class Participation | Homework | Tests/Quizzes/Projec... | Seq: 1.00 Due: 10/31 Class Particip Points: 100 | Seq: 1.00 Due: 09/07 Homework Points: 10 | Seq: 1.00 Due: 09/08 Homework Points: 10 | Seq: 1.00 Due: 09/20 Homework Points: 25 | Seq: 1.00 Due: 09/20 Tests/Quizzes Points: 100 | Seq: 1.00 Due: 09/20 Tests/Quizzes Points: 10 |
| Students | | | | | | | | | | | | | | | |
| | | genuine effort CC | 331 | 355 | 90.99% | 91 | 90.00% | 71.11% | 99.52% | 90 | 10 | 10 | 12 | 100 | 9 |
| | | CC | 343 | 355 | 97.92% | 98 | 90.00% | 100.00% | 99.04% | 90 | 10 | 10 | 25 | 100 | 8 |
| | | CC | 337 | 355 | 94.86% | 95 | 90.00% | 88.88% | 98.57% | 90 | 10 | 10 | 20 | 100 | 7 |
| | | CC | 318 | 355 | 84.03% | 84 | 90.00% | 44.44% | 99.04% | 90 | 10 | 10 | | 100 | 8 |
| | | CC | 335 | 355 | 94.29% | 94 | 90.00% | 88.88% | 97.61% | 90 | 10 | 10 | 20 | 100 | 5 |
| | | CC | 333 | 355 | 92.91% | 93 | 90.00% | 82.22% | 98.09% | 90 | 10 | 10 | 17 | 100 | 6 |
| | | CC | 337 | 355 | 94.32% | 94 | 90.00% | 84.44% | 99.52% | 90 | 10 | 10 | 18 | 100 | 9 |
| | | CC | 340 | 355 | 95.72% | 96 | 90.00% | 88.88% | 100.00% | 90 | 10 | 10 | 20 | 100 | 10 |
| | | CC | 333 | 355 | 93.45% | 93 | 90.00% | 86.66% | 97.14% | 90 | 10 | 10 | 19 | 100 | 4 |
| | | CC | 326 | 355 | 89.29% | 89 | 90.00% | 68.88% | 97.61% | 90 | 10 | 10 | 11 | 100 | 5 |
| | | CC | 333 | 355 | 92.37% | 92 | 90.00% | 77.77% | 99.04% | 90 | 10 | 10 | 15 | 100 | 8 |
| | | CC | 336 | 355 | 93.76% | 94 | 90.00% | 82.22% | 99.52% | 90 | 10 | 10 | 17 | 100 | 9 |
| | | CC | 338 | 355 | 94.88% | 95 | 90.00% | 86.66% | 99.52% | 90 | 10 | 10 | 19 | 100 | 9 |
| | | CC | 335 | 355 | 93.75% | 94 | 90.00% | 84.44% | 98.57% | 90 | 10 | 10 | 18 | 100 | 7 |
| | | CC | 333 | 355 | 92.64% | 93 | 90.00% | 80.00% | 98.57% | 90 | 10 | 10 | 16 | 100 | 7 |

Using Score's % Value: (Use Score's % Value is checked in Grade Calc Options)

- Each assignment is turned into a percent.

| Category | Class Participation | Homework | | | Tests/Quizzes | |
|-----------------------|---------------------|----------------|----------------|---------------|------------------|--------------|
| Assignment | CP | QUEST | COURS | SAQRR | TIME * | VOCAB |
| Points Earned | 90 | 10 | 10 | 12 | 100 | 9 |
| Points Available | 100 | 10 | 10 | 25 | 100 | 10 |
| Assignment Percentage | 90 / 100 = 90% | 10 / 10 = 100% | 10 / 10 = 100% | 12 / 25 = 48% | 100 / 100 = 100% | 9 / 10 = 90% |

* Multiplier of 2

- The percents in each category are averaged. The multiplier is applied here on the assignment percent.

Class Participation: 90%

Homework: $(100\% + 100\% + 48\%) / 3 = 82.66\%$

Tests/Quizzes: $(2 \times 100\% + 90\%) / 3 = 96.66\%$

- Average the category percentages to get the posted grade.

$$(90 + 82.66 + 96.66) / 3 = 89.77\% \quad \text{Posted Grade } 90.$$

| Settings | Save | Grade Totals | Comments | In Progress | | Categories | | | CP | QUEST | COURS | SAQRR | TIME | VOCAB |
|----------|---------------------|--------------|----------|-------------|------------|---------------------|----------|-------------------------|---|---|---|---|---|--|
| | | | | Percent | Post Grade | Class Participation | Homework | Tests/Quizzes/Projec... | Seq: 1.00 Due: 10/31 Class Participa Points: 100 | Seq: 1.00 Due: 09/07 Homework Points: 10 | Seq: 1.00 Due: 09/08 Homework Points: 10 | Seq: 1.00 Due: 09/20 Homework Points: 25 | Seq: 1.00 Due: 09/20 Tests/Quizzes Points: 100 | Seq: 1.00 Due: 09/20 Tests/Quizzes Points: 10 |
| 10 | Bayer, Grace | CC | 89.71 % | 90 | 90.00 % | 82.66 % | 96.66 % | 90 | 10 | 10 | 12 | 100 | 9 | |
| 10 | Eisert, Benjamin | CC | 95.71 % | 96 | 90.00 % | 100.00 % | 93.33 % | 90 | 10 | 10 | 25 | 100 | 8 | |
| 10 | Ghani, Ahsanullah | CC | 91.42 % | 91 | 90.00 % | 93.33 % | 90.00 % | 90 | 10 | 10 | 20 | 100 | 7 | |
| 10 | Huda, Mahrukh | CC | 81.42 % | 81 | 90.00 % | 66.66 % | 93.33 % | 90 | 10 | 10 | | 100 | 8 | |
| 10 | Keles, Grace S | CC | 88.57 % | 89 | 90.00 % | 93.33 % | 83.33 % | 90 | 10 | 10 | 20 | 100 | 5 | |
| 10 | Mattes, Spencer | CC | 88.28 % | 88 | 90.00 % | 89.33 % | 86.66 % | 90 | 10 | 10 | 17 | 100 | 6 | |
| 10 | McLean, Arianna G | CC | 93.14 % | 93 | 90.00 % | 90.66 % | 96.66 % | 90 | 10 | 10 | 18 | 100 | 9 | |
| 10 | Murcia, Christian | CC | 95.71 % | 96 | 90.00 % | 93.33 % | 100.00 % | 90 | 10 | 10 | 20 | 100 | 10 | |
| 10 | O'Shea, Daniel | CC | 86.57 % | 87 | 90.00 % | 92.00 % | 80.00 % | 90 | 10 | 10 | 19 | 100 | 4 | |
| 10 | Perry, Olivia C | CC | 83.42 % | 83 | 90.00 % | 81.33 % | 83.33 % | 90 | 10 | 10 | 11 | 100 | 5 | |
| 10 | Ray, Sreeshty | CC | 90.00 % | 90 | 90.00 % | 86.66 % | 93.33 % | 90 | 10 | 10 | 15 | 100 | 8 | |
| 10 | Shaikh, Fatimah | CC | 92.57 % | 93 | 90.00 % | 89.33 % | 96.66 % | 90 | 10 | 10 | 17 | 100 | 9 | |
| 10 | Sustic, Stefania S | CC | 93.71 % | 94 | 90.00 % | 92.00 % | 96.66 % | 90 | 10 | 10 | 19 | 100 | 9 | |
| 10 | Wang, Rui (Ricky) Q | CC | 90.28 % | 90 | 90.00 % | 90.66 % | 90.00 % | 90 | 10 | 10 | 18 | 100 | 7 | |

Using NEITHER Weighted Categories NOR Score's % Value:

(Weight Categories AND Use Score's % Value are BOTH NOT checked in Grade Calc Options)

- Points earned on each assignment are totaled regardless of category as are the total points available. The multiplier for each assignment is applied to that assignment in the calculation of points earned AND points available.

| Category | Class Participation | Homework | | | Tests/Quizzes | |
|------------------|---------------------|----------|-------|-------|---------------|-------|
| Assignment | CP | QUEST | COURS | SAQRR | TIME | VOCAB |
| Points Earned | 90 | 10 | 10 | 12 | 2 x 100 = 200 | 9 |
| Points Available | 100 | 10 | 10 | 25 | 2 x 100 = 200 | 10 |

Total points Earned: $90 + 10 + 10 + 12 + 200 + 9 = 331$

Total points available: $100 + 10 + 10 + 25 + 200 + 10 = 355$

Grade Calculation: $331 / 355 = 93.239\%$ **POSTED GRADE = 93**

| + Add Sort Filter | | | Posted | | In Progress | | | | Categories | | | CP | QUEST | COURS | SAQRR | TIME | VOCAB |
|-----------------------|---------------------|--------------|--------|------------------------------|-------------|----------|---------|------------|---------------------|----------|-------------------------|--|---|---|---|---|--|
| Settings | Save | Grade totals | Grade | Fill Rpt Crd Comments | Points | Possible | Percent | Post Grade | Class Participation | Homework | Tests/Quizzes/Projec... | Seq: 1.00 Due: 10/31 Class Particip Points: 100 | Seq: 1.00 Due: 09/07 Homework Points: 10 | Seq: 1.00 Due: 09/08 Homework Points: 10 | Seq: 1.00 Due: 09/20 Homework Points: 25 | Seq: 1.00 Due: 09/20 Tests/Quizzes Points: 100 | Seq: 1.00 Due: 09/20 Tests/Quizzes Points: 10 |
| 10 | Bayer, Grace | | | Puts forth genuine effort CC | 331 | 355 | 93.23 % | 93 | 90.00 % | 71.11 % | 99.52 % | 90 | 10 | 10 | 12 | 100 | 9 |
| 10 | Eisert, Benjamin | | | CC | 343 | 355 | 96.61 % | 97 | 90.00 % | 100.00 % | 99.04 % | 90 | 10 | 10 | 25 | 100 | 8 |
| 10 | Ghani, Ahsanullah | | | CC | 337 | 355 | 94.92 % | 95 | 90.00 % | 88.88 % | 98.57 % | 90 | 10 | 10 | 20 | 100 | 7 |
| 10 | Huda, Mahrugh | | | CC | 318 | 355 | 89.57 % | 90 | 90.00 % | 44.44 % | 99.04 % | 90 | 10 | 10 | | 100 | 8 |
| 10 | Keles, Grace S | | | CC | 335 | 355 | 94.36 % | 94 | 90.00 % | 88.88 % | 97.61 % | 90 | 10 | 10 | 20 | 100 | 5 |
| 10 | Mattes, Spencer | | | CC | 333 | 355 | 93.80 % | 94 | 90.00 % | 82.22 % | 98.09 % | 90 | 10 | 10 | 17 | 100 | 6 |
| 10 | McLean, Arianna G | | | CC | 337 | 355 | 94.92 % | 95 | 90.00 % | 84.44 % | 99.52 % | 90 | 10 | 10 | 18 | 100 | 9 |
| 10 | Murcia, Christian | | | CC | 340 | 355 | 95.77 % | 96 | 90.00 % | 88.88 % | 100.00 % | 90 | 10 | 10 | 20 | 100 | 10 |
| 10 | O'Shea, Daniel | | | CC | 333 | 355 | 93.80 % | 94 | 90.00 % | 86.66 % | 97.14 % | 90 | 10 | 10 | 19 | 100 | 4 |
| 10 | Perry, Olivia C | | | CC | 326 | 355 | 91.83 % | 92 | 90.00 % | 68.88 % | 97.61 % | 90 | 10 | 10 | 11 | 100 | 5 |
| 10 | Ray, Sreeshty | | | CC | 333 | 355 | 93.80 % | 94 | 90.00 % | 77.77 % | 99.04 % | 90 | 10 | 10 | 15 | 100 | 8 |
| 10 | Shaikh, Fatimah | | | CC | 336 | 355 | 94.64 % | 95 | 90.00 % | 82.22 % | 99.52 % | 90 | 10 | 10 | 17 | 100 | 9 |
| 10 | Sustic, Stefania S | | | CC | 338 | 355 | 95.21 % | 95 | 90.00 % | 86.66 % | 99.52 % | 90 | 10 | 10 | 19 | 100 | 9 |
| 10 | Wang, Rui (Ricky) Q | | | CC | 335 | 355 | 94.36 % | 94 | 90.00 % | 84.44 % | 98.57 % | 90 | 10 | 10 | 18 | 100 | 7 |