

Analysis of Tamalpais HS Math Grades Fall 2014

Significant Events:

- Algebra P1/2 not offered in 2014/15
- Algebra P3/4 not offered in 2014/15
- Intermediate Algebra not offered in 2014/15
- Geometry 1A/B not offered in 2014/15
- Incoming 9th grade placement recommendations were entered based on course history, feeder school teacher recommendation, District Entry Level Diagnostic and or District Algebra Skills Diagnostic.
- Algebra recommendations based on student performance data was ignored and all Alg. P1/2 students, Alg. P3/4 students and Alg. 1 students were placed in the newly written Common Core Algebra class.
- Advanced Algebra recommendations based on student performance data was ignored and all students completing Geom. were placed in Advanced Algebra. (some of whom were recommended for Alg.1, P3/4 and Int.Alg.)

Significant Note:

When the Teacher Leader was asked what would be needed to help students succeed in the new sequence of classes, two points were offered:

- 1) Class sizes need to be at 20 students to give teachers time to help those that did not demonstrate prerequisite knowledge.
- 2) All students recommended for P1/2 or Int.Alg. need to be placed in a Math Academic Workshop class for additional support.

Results:

- 3 Math Academic Workshop classes were allocated but no students were enrolled.
- Class sizes increased to 28.4 students per class.

Findings from S1 2014 Grades:

Algebra 1:

- Only 31% of students recommended for Alg. P1/2 passed with a C or better.
- 78% of students recommended for Alg. 1 passed with a C or better.
- 95% of students recommended for Alg. P3/4 passed with a C or better and 82% earned an A or B.
- The number of F's almost doubled. (expected based on the number of students without demonstration of prerequisite knowledge).
- The number of A's increased. (expected based on the number of students recommended for P3/4 that were forced to repeat the first semester).

Advanced Algebra:

- Only 43% of students recommended for Int.Alg. or lower passed with a C or better.
- 97% of students recommended for Adv.Alg. passed with a C or better and 83% earned an A or B.
- Only 1 student failed Adv.Alg. in Fall 2013 and 24 failed Adv.Alg. in Fall 2014. (expected based on the number of students without demonstration of prerequisite knowledge).
- 93.4% of Adv.Alg. and Int.Alg. students passed with a C or better in 2013.
- Only 85% of Adv.Alg. students passed with a C or better in 2014.
- 77% of students taking Adv.Alg. after taking Int.Alg. passed with a C or better over the last 3 years.

Geometry:

- 91% of students passed with a C or better in 2013.
- Only 85% passed with a C or better in 2014. (expected based on the number of students without demonstration of prerequisite knowledge and recommended for Geom. 1A).