8/10 – 8/14	Standards: 1.1, 1.2 - *Site Based Development* (no students) - *Administrative Day* (no students) - *Administrative Day* (no students) - course introduction / syllabus - unit pre-assessment / grouping assessment

* Administrative Days on 8/6 and 8/7

9/14 – 9/18	Standards: 1.1, 1.2 - unit review / unit assessment - **unit test** - unit pre-assessment / 2×2 systems of equations - 2×2 systems of equations - unit posttest assessment

* Open House on 9/15

8/17 – 8/21	Standards: 1.2 - linear equations / calculator use - linear inequalities / notation / calculator use - absolute value equations / calculator use - absolute value inequalities / calculator use - quadratic equations and inequalities

9/21 – 9/25	Standards: 1.1, 1.2 - 3×3 systems of equations / calculator - mixed practice - **quiz** - non-linear systems - *Homecoming* (no classes)

8/24 – 8/28	Standards: 1.2 - radical and rational exponent equations - mixed practice - **quiz** / review factoring - synthetic division - polynomial equations

9/28 – 10/2	Standards: 1.1, 1.2 - systems of inequalities - *Parent Teacher Conferences* (1/2 day) feasible region / vertices - linear programming - linear programming - linear programming applications

8/31 – 9/4	Standards: 1.2 - polynomial inequalities - rational equations and inequalities - mixed practice - **quiz** - exponential equations

10/5 – 10/9	Standards: 1.1, 1.2 - **project** / group work - unit review / group work - unit review / unit assessment - **unit test** (part 1) - **unit test** (part 2)

9/7 – 9/11	Standards: 1.2 - *Labor Day* (no school) - exponential equations - logarithmic equations - logarithmic equations - mixed practice

10/12 – 10/16	Standards: 1.1, 1.2 - first quarter review - **first quarter exam** - *Testing Day* (no classes) - *Quarter 2* - *Quarter 2*

Notes:
project involves optimization with linear programming

10/12 – 10/16	Standards: 1.1 - *Quarter 1* - *Quarter 1* - *Quarter 1* - first quarter posttest assessment - graphical analysis (terminology)
10/19 – 10/23	Standards: 1.1 - *Fall Break* (no school) - *Site Based Development* (no students) - graphical analysis (increasing / decreasing) - graphical analysis (asymptotes / end-behavior) - mixed practice
10/26 – 10/30	Standards: 1.1 - mixed practice - non-rigid transformations - rigid transformations - mixed practice - **quiz**
11/2 – 11/6	Standards: 1.1 - linear functions - quadratic functions - polynomial functions - polynomial functions - mixed practice
11/9 – 11/13	Standards: 1.1, 1.2 - **quiz** - rational functions (reciprocal) - rational functions - exponential functions - logarithmic functions
11/16 – 11/20	Standards: 1.1, 1.3 - mixed practice - **quiz** - unit review / unit assessment - **unit test** - unit posttest assessment / unit pre-assessment
11/23 – 11/27	Standards: 1.3 - direct & inverse variation - variation combinations / applications - *Thanksgiving Holiday* (no school) - *Thanksgiving Holiday* (no school) - *Thanksgiving Holiday* (no school)
11/30 – 12/4	Standards: 1.3 - data modeling (linear) - data modeling (quadratic) - data modeling (exponential) - **quiz** / data modeling (power) - mixed practice / **project**
12/7 – 12/11	Standards: 1.3 - group work - unit review / unit assessment - **unit test** - unit posttest assessment - first semester review
12/14 – 12/18	Standards: 1.1, 1.2, 1.3 - first semester review - *First Semester Exams* - *First Semester Exams* - *First Semester Exams* - *First Semester Exams*

Notes:
project involves modeling real-world data

1/4 – 1/8	Standards: 1.3 - first semester review / unit pre-assessment - sequences / series / notation - arithmetic sequences / recursion - arithmetic series - mixed practice
1/11 – 1/15	Standards: 1.3 - **quiz** - geometric sequences / recursion - finite geometric series - infinite geometric series - mixed practice / **project**
1/18 – 1/22	Standards: 1.3 - *Martin Luther King, Jr. Day* (no school) - group work - unit review / unit assessment - **unit test** - unit posttest assessment
1/25 – 1/29	Standards: 2.2 - unit pre-assessment / vocabulary - standard position - coterminal angles - radian definition - radian-degree conversions
2/1 – 2/5	Standards: 2.1, 2.2 - mixed practice - **quiz** - trigonometric ratios / reciprocal identities - special right triangles - inverse trigonometry / calculator
2/8 – 2/12	Standards: 2.1, 2.2 - applications - applications / practice - **quiz** - coordinate trigonometry - quadrantal angles
2/15 – 2/19	Standards: 1.2, 2.1, 2.2 - *District Wide Development* (no students) - mixed practice / unit circle - unit circle - **quiz** - single angle equations
2/22 – 2/26	Standards: 1.2, 2.1, 2.2 - multiple angle equations - Pythagorean identity / mixed practice - **quiz** - unit review / unit assessment - **unit test**
3/1 – 3/5	Standards: 1.2, 2.1, 2.2 - unit posttest assessment - third quarter review - **third quarter exam** - third quarter posttest assessment - unit pre-assessment
3/8 – 3/12	Standards: 2.1, 2.2, 2.3 - *Site Based Development* (no students) - *ACT Testing* (no classes) - trigonometric functions from unit circle - sinusoidal curve - sinusoidal curve

Notes:
project to be determined

3/15 – 3/19	Standards: 2.1, 2.2, 2.3 - sine and cosine functions - tangent function - tangent function - mixed practice - **quiz**
3/22 – 3/26	Standards: 2.1, 2.2, 2.3 - sinusoidal modeling - sinusoidal modeling - data modeling - data modeling - data modeling / **project**
3/29 – 4/2	Standards: 2.1, 2.2, 2.3 - group work - unit review / unit assessment - **unit test** - unit posttest assessment / unit pre-assessment - *Spring Break* (no school)
4/5 – 4/9	Standards: none (break) - *Spring Break* (no school) - *Spring Break* (no school) - *Spring Break* (no school) - *Spring Break* (no school) - *Spring Break* (no school)
4/12 – 4/16	Standards: 2.1, 2.2 - Law of Sines - ambiguous case - Law of Cosines - mixed practice - **quiz**

4/19 – 4/23	Standards: 2.1, 2.2 - applications - mixed practice - arc length / sector area - triangle area / Heron's Formula - mixed practice
4/26 – 4/30	Standards: 2.1, 2.2 - **quiz** - geometric vectors - algebraic vectors - resultant vectors - mixed practice
5/3 – 5/7	Standards: 2.1 - applications - applications - mixed practice / **project** - **quiz** - group work

* AP Exams all week

5/10 – 5/14	Standards: 1.2, 2.1, 2.2, 2.3 - group work - unit review / unit assessment - **unit test** - unit posttest assessment - second semester review

* AP Exams all week

5/17 – 5/21	Standards: 1.2, 2.1, 2.2, 2.3 - second semester review - *Second Semester Exams* - *Second Semester Exams* - *Second Semester Exams* - *Second Semester Exams*

* Administrative Day on 5/24

Notes:
first project involves modeling weather data
second project involves triangular navigation