**AFM Unit 2: Triangle Trigonometry**

**Objective 2.04  Use trigonometric (sine, cosine) functions to model and solve problems; justify results.**

* Solve using tables, graphs, and algebraic properties.
* Create and identify transformations with respect to period, amplitude, and vertical and horizontal shifts.
* Develop and use the law of sines and the law of cosines.

\*\*Subject to Change\*\*

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| **Day** | **Topic** | **Activity** |
| 1  Tuesday, Feb. 25 | **7.2 Right Triangles**  -trig ratios  -solving right triangles |  |
| 2  Wednesday, Feb. 26 | **Applications of Right Triangles (Angles of Elevation & Depression)** |  |
| 3  Thursday, Feb. 27 | **Applications cont** | Quiz Review |
| 3  Friday, Feb. 28 | **Area of a Triangle** | **Quiz 1**  **(Days 1-2)** |
| 4  Monday, Mar. 2 | **7.4 Law of Sines** |  |
| Tuesday, Mar. 3 | **Law of Sines continued** |  |
| 5  Wednesday, Mar. 4 | **7.5 Law of Cosines** |  |
| 6  Thursday, Mar. 5 | **Review** |  |
| 7  Friday, Mar. 6 | **TEST** | **TEST** |