**Trigonometry**

**Learning Goals**

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| **#** | **Learning Goal** | **Standard(s)** |
| T01 | Students will be able to extend the domain of trigonometric functions using the unit circle. | F-TF.1.1, F-TF.1.2.,F-TF.1.3, F-TF.1.4 |
| T02 | Students will be able to model periodic phenomena using trigonometric functions. | F-TF.2.5, F-TF.2.6,F-TF.2.7 |
| T03 | Students will be able to prove and apply trigonometric identities. | F-TF.3.8, F-TF.3.9 |
| T04 | Students will be able to define trigonometric ratios and apply trigonometry to general triangles. | G-SRT.3.7, G-SRT.3.8, G-SRT.4.9,G-SRT.4.10 |
| T05 | Students will be able to Represent complex numbers and their operations on the complex plane. | N-CN.1.3, N-CN.2.4, N-CN.2.5, N-CN.2.6 |
| T06 | Students will be able to represent and model with vector quantities. | N-VM.1.1, N-VM.1.2, N-VM.1.3 |
| T07 | Students will be able to perform operations on vectors. | N-VM.2.4, N-VM.2.5 |