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| **Day** | **Topic** | **Lesson/Work** | **Assignment(s)** |
| **1** | Intro to Sine and Cosine Graphs (6-2) | Spaghetti Sine Activity | Activity Reflection Questions – due Tuesday |
| **2** | Parent Graphs of Tangent, Cotangent, Secant and Cosecant (6-3) | Parent Graphs of all 6 trig functions; | Be able to sketch all 6 parent graphs and identify period, amplitude, asymptotes, etc. |
| **3** | Transformations of Trig Graphs (6-2, 6-3, 6-5) | Graphing Transformed Trig Equations;Writing Equations for Transformed Graphs | Pg. 292: 1-7 oddPg. 311: 25-37 odd |
| **4** | Transformations of Trig Graphs (6-2, 6-3, 6-5) | Practice with Transformations | WS-4 Graphing Transformations of Sine and Cosine Trig Graphs |
| **5** | Modeling with Trig Functions (6-7) | Trig Applications Task | Pg. 321-324: Q1-Q10 and 1-7 odd |
| **6** | Modeling with Trig Functions (6-7) | Trig Applications Practice; (part of Day 5 Task)*Introduce Trig Applications Project* | Research your Trig Application Topic |
| **7** | Inverse Trig Functions (6-6) | Inverse Trig Graphs Investigation; WS 6-3a and 6-3bSummarize and Discuss | Be able to graph arcsine, arccosine, and arctangent and identify the domain and range |
| **8** | Trig Applications | Project work day or “catch-up” day if needed |  |
| **9** | Review | Review | STUDY |
| **10** | TEST | TEST | http://cdn.meme.am/instances/55844490.jpg |