

**Laurens County Schools Pre-Calculus Curriculum Map**

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| **Standards for Mathematical Practice***All units will include the Mathematical Practices and indicate skills to maintain.* **1** Make sense of problems and persevere in solving them.  **5** Use appropriate tools strategically.  **2** Reason abstractly and quantitatively.  **6** Attend to precision.  **3** Construct viable arguments and critique the reasoning of others. **7** Look for and make use of structure.  **4** Model with mathematics. **8** Look for and express regularity in repeated reasoning.  |
| **Unit 1** *(3 – 4 weeks)***Matrices MGSE9-12.N.VM.6 MGSE9-12.N.VM.7 MGSE9-12.N.VM.8 MGSE9-12.N.VM.9 MGSE9-12.N.VM.10 MGSE9-12.N.VM.12 MGSE9-12.A.REI.8 MGSE9-12.A.REI.9** **Unit 2** *(4 – 5 weeks)***Vectors MGSE9-12.N.CN.3 MGSE9-12.N.CN.4 MGSE9-12.N.CN.5 MGSE9-12.N.CN.6 MGSE9-12.N.VM.1 MGSE9-12.N.VM.2 MGSE9-12.N.VM.3 MGSE9-12.N.VM4 MGSE9-12.N.VM4a MGSE9-12.N.VM4b MGSE9-12.N.VM4c MGSE9-12.N.VM.5 MGSE9-12.N.VM.5a MGSE9-12.N.VM.5b MGSE9-12.N.VM.11** **Unit 3** *(4 – 5 weeks* **Probability MGSE9-12.S.CP.8 MGSE9-12.S.CP.9 MGSE9-12.S.MD.1 MGSE9-12.S.MD.2 MGSE9-12.S.MD.3 MGSE9-12.S.MD.4 MGSE9-12.S.MD.5 MGSE9-12.S.MD.5a MGSE9-12.S.MD.5b MGSE9-12.S.MD.6 MGSE9-12.S.MD.7****Unit 4** *(4 – 5 weeks)***Introduction to Trigonometric Functions MGSE9-12.F.IF.4 MGSE9-12.F.IF.7 MGSE9-12.F.IF.7e MGSE9-12.F.TF.1 MGSE9-12.F.TF.2 MGSE9-12.F.TF.5 MGSE9-12.F.TF.8****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Unit 5** *(4 – 5 weeks)***Trigonometric Functions MGSE9-12.F.BF.4 MGSE9-12.F.BF.4d MGSE9-12.F.TF.3 MGSE9-12.F.TF.4 MGSE9-12.F.TF.6 MGSE9-12.F.TF.7****Unit 6** *(3 – 4 weeks****)* Trigonometry of General Triangles MGSE.9-12.G.SRT.9 MGSE.9-12.G.SRT.10 MGSE.9-12.G.SRT.11****Unit 7** *(3 – 4 weeks)***Trigonometric Identities  MGSE9-12.F.TF.9** **Unit 8** *(3 – 4 weeks)***Conics MGSE9-12.G.GPE.2 MGSE9-12.G.GPE.3 MGSE9-12.A.REI.7**  | **1st semester** |
| **2nd Semester** |

