



## Grades 6 – 12 Mathematics Acceleration Program 2016-2017

### Division of Curriculum and Instruction

#### Acknowledgements

The Division of Curriculum and Instruction is appreciative of the support and collaboration among several secondary educators in the DeKalb County School District along with our neighboring district Rockdale County Public Schools. It is because of this collaboration that the District is able to offer opportunities for advanced studies in mathematics to all students that have the ability, desire, and grit to be successful.

#### DeKalb County School District Secondary Mathematics Pathways

Regular Education, Accelerated and Advanced Placement Mathematics Course Sequences						
Mathematics – Elementary (Grades K – 5)						
Grade K 27.01100	➔	Grade 1 27.01200	➔	Grade 2 27.01300	➔	Grade 3 27.01400
						Grade 4 27.01500
						Grade 5 27.01600
Mathematics – Middle Grades (Grades 6 – 8)						
	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F
<b>Grade 6</b>	Grade 6 27.02100	Grade 6 27.02100	Grade 6 27.02100	Grade 6 27.02100	Accelerated Grade 6/7A 27.0210017 DCSD Code – 97.0061001	Accelerated Grade 6/7A 27.0210017 DCSD Code – 97.0061001
<b>Grade 7</b>	Grade 7 27.02200	Grade 7 27.02200	Grade 7 27.02200	Grade 7 27.02200	Accelerated Grade 7B/8 27.0220017 DCSD Code – 97.0071001	Accelerated Grade 7B/8 27.0220017 DCSD Code – 97.0071001
<b>Grade 8</b>	Grade 8 27.02300	Grade 8 27.02300	Grade 8 27.02300 and Foundations of Algebra 27.04810	Grade 8 27.02300	GSE Coordinate Algebra 27.09710	GSE Accelerated Coordinate Algebra/Analytic Geometry A 27.09750
Mathematics – Secondary Grades (Grades 9 – 12)						
<b>Grade 9</b>	Foundations of Algebra 27.04810	GSE Coordinate Algebra 27.09710	GSE Coordinate Algebra 27.09710	GSE Accelerated Coordinate Algebra/Analytic Geometry A 27.09750	GSE Analytic Geometry 27.09720	GSE Accelerated Analytic Geometry B/Advanced Algebra 27.09760
<b>Grade 10</b>	GSE Coordinate Algebra 27.09710	GSE Analytic Geometry 27.09720	GSE Analytic Geometry 27.09720	GSE Accelerated Analytic Geometry B/Advanced Algebra 27.09760	GSE Advanced Algebra 27.09730	GSE Accelerated Pre-Calculus 27.09770
<b>Grade 11</b>	GSE Analytic Geometry 27.09720	GSE Advanced Algebra 27.09730	GSE Advanced Algebra 27.09730	GSE Accelerated Pre-Calculus 27.09770	<i>Fourth Mathematics Course Options</i>	<i>Fourth Mathematics Course Options</i>
<b>Grade 12</b>	GSE Advanced Algebra 27.09730	<i>Fourth Mathematics Course Options</i>	<i>Fourth Mathematics Course Options</i>	<i>Fourth Mathematics Course Options</i>	<i>Fourth Mathematics Course Options</i>	<i>Fourth Mathematics Course Options</i>

**Mathematics Support Courses for elective credit:** 27.09810 Coordinate Algebra Support; 27.09820 Analytic Geometry Support; 27.09830 Advanced Algebra Support

In an effort to support and encourage high levels of student achievement, it is important to maintain open access for acceleration in mathematics. Students who have not met the prerequisites for the accelerated pathways may qualify to waive into a course. It is the recommendation of the DeKalb County School District (DCSD) that all students placed on the acceleration pathway at the secondary level are placed appropriately based upon reliable measures. The parameters within which placement is considered are listed in the chart.

**Mathematics Acceleration Placement Parameters**

- 90% or better final average in the current mathematics course
- A national percentile ranking of 90+ on the mathematics portion on the DCSD Universal Screener
- Score in the “Distinguished” range on the Georgia Milestones Assessment
- Math Teacher Recommendation
- Written agreement signed by the student and parent/guardian containing the criteria for maintaining course enrollment

Accelerated Pathway Options		
Grade	Pathway E	Pathway F
6	27.0210017 Accelerated GSE Mathematics 6/7A <b>Curriculum:</b> Full Year of Grade 6 and Semester A of Grade 7 <b>Assessment:</b> GSE Milestones End of Grade (EOG) for Grade 6	27.0210017 Accelerated GSE Mathematics 6/7A <b>Curriculum:</b> Full Year of Grade 6 and Semester A of Grade 7 <b>Assessment:</b> GSE Milestones End of Grade (EOG) for Grade 6
7	27.0220017 Accelerated GSE Mathematics 7B/8 <b>Curriculum:</b> Semester B of Grade 7 and Full Year of Grade 8 <b>Assessment:</b> GSE Milestones End of Grade (EOG) for Grade 7	27.0220017 Accelerated GSE Mathematics 7B/8 <b>Curriculum:</b> Semester B of Grade 7 and Full Year of Grade 8 <b>Assessment:</b> GSE Milestones End of Grade (EOG) for Grade 7
8	27.09710 GSE Coordinate Algebra <b>Curriculum:</b> Full Year of Coordinate Algebra <b>Assessment:</b> GSE Milestones End of Course (EOC) for Coordinate Algebra	27.09750 Accelerated GSE Coordinate Algebra/Analytic Geometry A <b>Curriculum:</b> Full Year of Coordinate Algebra and Semester A of Analytic Geometry <b>Assessment:</b> GSE Milestones End of Course (EOC) for Coordinate Algebra
9	27.09720 GSE Analytic Geometry <b>Curriculum:</b> Full Year of Analytic Geometry <b>Assessment:</b> GSE Milestones End of Course (EOC) for Analytic Geometry	27.09760 Accelerated Analytic Geometry B/Advanced Algebra <b>Curriculum:</b> Semester B of Analytic Geometry and Full Year of Advanced Algebra <b>Assessment:</b> GSE Milestones End of Course (EOC) for Analytic Geometry
10	27.09730 GSE Advanced Algebra <b>Curriculum:</b> Full Year of Advanced Algebra <b>Assessment:</b> DCSD SLO for Advanced Algebra	27.09770 Accelerated GSE Pre-Calculus <b>Curriculum:</b> Full Year of Pre-Calculus <b>Assessment:</b> DCSD SLO for Pre-Calculus
11	Fourth Mathematics Course Options	Fourth Mathematics Course Options
12	Fourth Mathematics Course Options	Fourth Mathematics Course Options