

Middle School Math Meeting

November 12, 2018

Welcome

- Dr. Scott Rocco, Superintendent of Schools
- Mr. Anthony Scotto, Director of Curriculum & Instruction
- Ms. Karen Gronikowski, District Supervisor of Mathematics (6-12)

This Evening

- Purpose of Tonight's Meeting
- Assume Good Intentions
- Have Open & Collaborative Conversations
- Moving Forward

6-8 Math Update

- No course and/or level changes for 18/19 SY
- No curricular study has been/nor will be planned to consider changes for 19/20 SY
- Levels Are/Will Continue To Be:

Grade 6, Grade 6 – Enriched, Grade 6 – Advanced Enriched

Grade 7, Grade 7 – Enriched, Algebra I

Grade 8, Algebra I, Geometry

Placement Process

(5th into 6th)

- All parents received notification; all students given opportunity to “sit for” placement test
- All students received teacher recommendation (utilizing a rubric – focusing on *Mathematical Practices*)
- All students’ report card information reviewed
- Weight of Measures:
 - Placement Test (highest)
 - Report Card Average
 - Teacher Recommendation (lowest)

Enrollment Numbers – 6th

School	6 th	6 th Enriched	6 th Advanced Enriched
Crockett	166	24	7
Grice	246	24	8
Reynolds	209	39	12

Enrollment Numbers – 7th

School	7 th	7 th Enriched	Algebra I
Crockett	153	52	21
Grice	209	56	22
Reynolds	187	72	23

Enrollment Numbers – 8th

School	8 th	Algebra I	Geometry
Crockett	204	43	14
Grice	195	86	21
Reynolds	173	55	25

18/19 Curricular Areas – 6th

Grade 6	Grade 6 – Enriched	Grade 6 – Advanced Enriched
Standards from State	Grade 6 Standards from State + <ul style="list-style-type: none">• 18 (7th Grade Standards)	Grade 7 Standards from State + <ul style="list-style-type: none">• 22 (8th Grade Standards)
Anticipated Grade 7 Placement = Grade 7	Anticipated Grade 7 Placement = 7 th Enriched	Anticipated Grade 7 Placement = Algebra I

18/19 Curricular Areas – 7th

Grade 7	Grade 7 – Enriched	Algebra I
Standards from State	Grade 7 Standards from State + <ul style="list-style-type: none">• 22 (8th Grade Standards)• 8 (HS Algebra I Standards)	Algebra I Standards from State
Anticipated Grade 8 Placement = Grade 8 Math	Anticipated Grade 8 Placement = Algebra I	Anticipated Grade 8 Placement = Geometry

18/19 Curricular Areas – 8th

Grade 8	Algebra I	Geometry
Grade 8 Standards from State + <ul style="list-style-type: none">• 2 (8th Grade Standards)	Algebra I Standards from State	Geometry Standards from State
Anticipated Grade 9 Placement = Algebra I	Anticipated Grade 9 Placement = Geometry (CP or H)	Anticipated Grade 9 Placement = Algebra II (CP or H)

Enhanced Pathway to Algebra I (Grade 6 Enriched)

17/18

39 State Standards comprised of:

- 29 Grade 6 State Standards
- 10 Grade 7 State Standards

18/19

47 State Standards comprised of:

- 29 Grade 6 State Standards
- 18 Grade 7 State Standards

Enhanced Pathway to Algebra I Cont.

(Grade 7 Enriched)

17/18

38 State Standards comprised of:

- 15 Grade 7 State Standards
- 23 Grade 8 State Standards

18/19

54 State Standards comprised of:

- 24 Grade 7 State Standards
- 22 Grade 8 State Standards
- 8 High School Algebra I State Standards

Historically Needing *Further* Curricular/Instructional Attention

Algebra I

- A.SSE.B.3a
- F.IF.C.9
- **F.IF.B.6**
- **A.SSE.A.1**
- **A-REI Reasoning**
- **8.EE.B Reasoning**
- **F.IF.B.4**

Red = Major Content for Course

Geometry

- G.GPE.A.1
- G.CO.D.12
- HS.D.3-4a Modeling
- G.GMD.B.4
- G.GMD.A.1

Common High School Focus Areas (regardless of level)

High School Algebra Topics	HS Standard	Pre-Requisite Standard
Identifying zeros of cubic functions...	<i>A.APR.B.3</i>	7.EE.A.1
Reasoning about the number or nature of the solutions in a system...	A.REI.B.4	7.EE.A.1
Solving quadratic equations...	A.REI.B.4b	7.EE.A.1

Common High School Focus Areas Cont. (regardless of level)

High School Algebra Topics	HS Standard	Pre-Requisite Standard
Finding approximate solutions...	A.REI.D.11	8.EE.C.8
Graphing linear inequalities and systems...	A.REI.D.12	8.EE.C.8
Interpreting terms, factors, coefficients, and other parts of expressions...	A.SSE.A.1	7.EE.A.2
Creating linear equations in two variables to represent relationships...	A.REI.D.10	8.EE.B.5, 8.EE.C.8

Common High School Focus Areas Cont. (regardless of level)

High School Algebra Topics	HS Standard	Pre-Requisite Standard
Using factoring and completing the square...	<i>A.SSE.B.3a/3b</i>	6.EE.A.3, 7.EE.A.1, 8.EE.A.1
Interpreting key features of graphs and tables...	F.IF.B.4	8.F.B.5
Relating the domain of a function to its graph...	F.IF.B.5	8.F.A.1
Calculating and interpreting the average rate of change of a function...	F.IF.B.6	8.F.B.4

Common High School Focus Areas Cont. (regardless of level)

High School Algebra Topics	HS Standard	Pre-Requisite Standard
Graphing linear and quadratic functions...	<i>F.IF.C.7</i>	7.RP.A.2, 8.EE.B.5
Comparing properties of two functions...	<i>F.IF.C.9</i>	8.EE.B.5

Moving Forward

- Monthly department meetings with instructional staff
- Pre-Assessment, Differentiation, Student Growth Objectives
- Imagine Math
- Additional Resources (ie: *Algebra I Instructional Support Tool for Teachers*)
- Connected Action Roadmap - Algebra I
- Staff Development
- Assessment Audits
- Classroom Observations

Stay Informed – Become Involved

