



Carroll ISD Advanced PreAlgebra 2021-22 Year-At-A-Glance

	1 st Grading Period	2 nd Grading Period	3 rd Grading Period	4 th Grading Period
Process Standards	8.1 A, B, C, D, E, F, G Math Process Standards, how students understand and learn mathematics, used throughout the course			
TEKS	Unit 1: Equations and Inequalities 8.8 A, B, C Unit 2: Proportional and Nonproportional Relationships and Functions 8.4A, B, C, 8.5A, B, E, F, G, H, I, 8.9A	Unit 3: Angles and Triangles 8.3A, 8.4A, 8.8D Unit 4: Number Systems 8.2A, B, C, D Unit 5: Pythagorean Theorem 8.6C, 8.7C, D	Unit 6: Volume 8.6A, B, 8.7A Unit 7: Surface Area 8.7B Unit 8: Transformations 8.3A, B, C, 8.10A, B, C, D Unit 9: Statistics and Samples 8.5C, D, I, 8.11A, B, C	Unit 10: Personal Financial Literacy 8.12A, B, C, D, E, F, G College Project Algebra Readiness 8.4A, B, C, 8.5A, 8.8A, B, C
Topic Focus	Unit 1 <ul style="list-style-type: none"> ● Solving Equations and Inequalities with variables on both sides ● Solving Equations and Inequalities with Rational Numbers Unit 2	Unit 3 <ul style="list-style-type: none"> ● Angle Relationships in Parallel Lines and Triangles Unit 4 <ul style="list-style-type: none"> ● Real Number Systems ● Scientific Notation Unit 5 <ul style="list-style-type: none"> ● Pythagorean Theorem 	Unit 6 <ul style="list-style-type: none"> ● Volume Unit 7 <ul style="list-style-type: none"> ● Surface Area Unit 8 <ul style="list-style-type: none"> ● Transformations and Congruence 	Unit 10 <ul style="list-style-type: none"> ● Financial Literacy Algebra Readiness



	<ul style="list-style-type: none"> • Proportional Relationships • Non-proportional Relationships • Writing Linear Equations • Functions 	<ul style="list-style-type: none"> • Distance between two points 	<ul style="list-style-type: none"> • Dilations, similarity, and proportionality <p>Unit 9</p> <ul style="list-style-type: none"> • Scatter plots • Sampling • Mean Absolute Deviation 	
<p>Additional Resources</p> <p>Houghton Mifflin Harcourt <i>GoMath!</i> Grade 8</p>	<p>Unit 1: Equations and Inequalities (Chapter 11)</p> <p>Unit 2: Proportional and Nonproportional Relationships and Functions (Chapter 3-6)</p>	<p>Unit 3: Angle Relationships (Chapter 7)</p> <p>Unit 4: Expressions and Number Systems (Chapters 1 and 2)</p> <p>Unit 5: Pythagorean Theorem (Chapter 8)</p>	<p>Unit 6: Volume (Chapter 9)</p> <p>Unit 7: Surface Area (Chapter 10)</p> <p>Unit 8: Transformation and Geometry (Chapter 12 and 13)</p> <p>Unit 9: Scatter Plots, Sampling, and Mean Absolute Deviation (Chapter 14 and 15)</p>	<p>Unit 8: Financial Literacy (Chapter 16)</p>

Power Standards: 8.2D, 8.3C, 8.4C, 8.5D, 8.5I, 8.7A, 8.7C, 8.8C, 8.10C, 8.12D