Danville Area School District
Course Overview and Scope and Sequence

Course Title: DMS Geometry
Content Area: Mathematics
Grade Level: 8th Grade
Date Developed: August 2023

COURSE OVERVIEW: Course topics focus on the Pennsylvania state Keystone anchors and include, but are not limited to, angles and segments, parallel lines, parallelograms and other polygons, circles, area and volume, transformations, and the application of basic trigonometric functions. Students will be required to complete honors level work at a pace designed to prepare them for additional honors caliber coursework. Enrichment will occur through in-depth analysis of all topics as well as acceleration towards trigonometric skills.
ANCHOR STANDARDS: G.2.1.2.1, G.2.2.1.1, G.1.3.2.1, G.2.1.2.2, G.2.1.3, G.2.1.3.1, G.2.2.1.2, G.1.2.1.1, G.1.2.1.3, G.1.3.1.1, G.1.2.1.2, CC.23.HS.A.3, G.1.2.1.4, G.1.3.1, G.1.3.1.2, CC.2.3.HS.A.6, G.1.3.1.2, G.2.1.1.1, G.2.1.1.2, CC.2.2.HS.C.9, CC.2.3.HS.A.7 CC.2.3.8.A.3, M08.C-G.1.1.1, M08.C-G.1.1.2, M08.C-G.1.1.3, M08.C-G.1.1.4, G.1.1.1, G.1.1.1.1, G.1.1.1.2, G.1.1.1.3, G.2.2.1.1, G.2.2.2.2
KEY COURSE TEXT AND MATERIALS: Textbook, Chromebook, White Boards, Unit Packet-including all worksheets, Projector
KEY ASSESSMENTS: Diagnostic: iReady Formative: quizzes, CDTs Summative: PSSAs, Unit Tests

SCOPE AND SEQUENCE				
Unit	PRIORITY STANDARDS	ASSESSMENT	MATERIALS	TIMEFRAME
Unit 1: Tools of Geometry	G.2.1.2.1, G.2.2.1.1	Quiz on Sections 1.1-1.3 and Sections 1.4-1.5 Chapter Exam Homework Checks Q & A Progress monitoring	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	22 Days
Unit 2: Parallel & Perpendicular Lines	G.1.3.2.1 G.2.1.2.2 G.2.1.3 G.2.1.3.1 G.2.2.1.1 G.2.2.1.2	Quiz on Sections 3.1, 3.2, & 3.5 and Sections 3.3 & 3.4 Chapter Exam Homework Checks Q & A Progress monitoring and Check Understandings	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	23 Days
Unit 3: Congruent Triangles	G.1.2.1.1 G.1.2.1.3 G.1.3.1.1.	Quizzes Chapter Exam Homework Checks Q & A Progress	Textbook Chromebook White Boards	15 Days

		monitoring and Check Understandings	Unit Packet - including all worksheets Projector	
Unit 4: Relationships in Triangles	G.1.2.1.1 G.1.2.1.3	Quizzes Chapter Exam Homework Checks Q & A Progress monitoring and Check Understandings	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	12 Days
Unit 5: Quadrilaterals	G.1.2.1.2 CC.23.HS.A.3 G.1.2.1.4	Quizzes Chapter Exam Homework Checks Q & A Progress monitoring and Check Understandings	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	26 Days
Unit 6: Proportions & Similarity	G.1.2.1.1 G.1.3.1 G.1.3.1.1 G.1.3.1.2 CC.2.3.HS.A.6	Quizzes Chapter Exam Homework Checks Q & A Progress monitoring and Check Understandings	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	16 Days

Unit 7: Right Triangles and Trigonometry	G.1.2.1.1 G.1.3.1.2 G.2.1.1.1 G.2.1.1.2 CC.2.2.HS.C.9 CC.2.3.HS.A.7 CC.2.3.8.A.3	Quizzes Chapter Exam Homework Checks Q & A Progress monitoring and Check Understandings	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	21 Days
Unit 7: Transformations & Symmetry	M08.C-G.1.1.1 M08.C-G.1.1.2 M08.C-G.1.1.3 M08.C-G.1.1.4	1 Exam Homework Checks Q & A Progress monitoring and Check Understandings	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	8 Days
Unit 8: Circles	G.1.1.1 G.1.1.1.1 G.1.1.1.2 G.1.1.1.3 G.2.1.1.1 G.2.2.1.1 G.2.2.2.2	Quizzes Chapter Exam Homework Checks Q & A Progress monitoring and Check Understandings	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	21 Days
Unit 9: Areas of Polygons and Circles	G.1.1.1.2 G.1.2.1.1 G.1.2.1.4 G.2.2.2 G.2.2.2.2. G.2.2.2.3	Quizzes Chapter Exam Homework Checks Q & A Progress monitoring and	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	14 Days

	G.2.2.2.4 G.2.2.2.5 G.2.2.3	Check Understandings		
Unit 10: Surface Area	G.1.1.1 G.1.1.1.4 G.1.2.1.4 G.1.2.1.5 G.2.2.2.4 G.2.3.1.1 G.2.3.1.3 G.2.3.2.1	1 Unit Test Homework Checks Q & A Progress monitoring and Check Understandings	Textbook Chromebook White Boards Unit Packet - including all worksheets Projector	11 Days