

Columbus County Schools
Common Core State Standards Curriculum Alignment

Subject: Math	Grade Level: 8 th	Grading Period: 4 th Nine Weeks
CCSS: 8.G.9, 8.SP.1, 8.SP.2, 8.SP.3, 8.SP.4	Time Frame: Week 28 – Week 36	Domain (Unit): Geometry (Unit 4) and Statistics and Probability (Unit 5)
Essential Question (Unit 4): How can you use different measurements to solve real-life problems?		
Essential Question (Unit 5): Why is learning mathematics important?		

<u>Chapters:</u>	<u>Mathematical Practices:</u>	<u>Academic Vocabulary:</u>	<u>Assessment(s):</u>	<u>Additional Resources:</u>
Chapter 8: Volume and Surface Area Lessons: 1 – 6 Essential Question: Why are formulas important in math and science?	1, 2, 3, 4, 6, 7	Composite Solids, Cone, Cylinder, Hemisphere, Lateral Area, Nets, Polyhedron, Similar Solids, Sphere, Total Surface Area, Volume	- BellRingers - Observations - Class Discussions - Quizzes - Homework - Guided Practice - Independent Practice - Chapter Tests	-Big Ideas -Websites -8 th Grade Notebook
Chapter 9: Scatter Plots and Data Analysis Lessons: 1 – 6 Essential Question: How are patterns used when comparing two quantities?	1, 2, 3, 4, 5, 7	Composite Solids, Cone, Cylinder, Hemisphere, Lateral Area, Nets, Polyhedron, Similar Solids, Sphere, Total Surface Area, Volume	- BellRingers - Observations - Class Discussions - Quizzes - Homework - Guided Practice - Independent Practice - Chapter Tests	-Big Ideas -Websites -8 th Grade Notebook

<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>	<u>Day 4</u>	<u>Day 5</u>
<u>Lesson:</u> Inquiry Lab	<u>Lesson:</u> 1	<u>Lesson:</u> 2	<u>Lesson:</u> 3	<u>Lesson:</u> Problem-Solving Investigation
<u>Standards:</u> 8.G.9	<u>Standards:</u> 8.G.9	<u>Standards:</u> 8.G.9	<u>Standards:</u> 8.G.9	<u>Standards:</u> 8.G.9
<u>Mathematical Practices:</u> 1, 3	<u>Mathematical Practices:</u> 1, 3, 4, 6	<u>Mathematical Practices:</u> 1, 2, 3, 4	<u>Mathematical Practices:</u> 1, 3, 4	<u>Mathematical Practices:</u> 1, 4, 7
<u>Academic Vocabulary:</u> None	<u>Academic Vocabulary:</u> Volume, Cylinder, Composite Solids	<u>Academic Vocabulary:</u> Cone	<u>Academic Vocabulary:</u> Sphere, Hemisphere	<u>Academic Vocabulary:</u> None
<u>Objective:</u> Determine how some three-dimensional figures are related to circles.	<u>Objective:</u> Find the volumes of cylinders.	<u>Objective:</u> Find the volume of cones.	<u>Objective:</u> Find the volume of spheres.	<u>Objective:</u> Solve a simpler problem.
<u>BellRinger:</u> On Board	<u>BellRinger:</u> On Board	<u>BellRinger:</u> On Board	<u>BellRinger:</u> On Board	<u>BellRinger:</u> On Board
<u>Guided Practice:</u> Page 587	<u>Guided Practice:</u> Page 592	<u>Guided Practice:</u> Page 600	<u>Guided Practice:</u> Page 608	<u>Guided Practice:</u> Page 613
<u>Independent Practice:</u> Page 588	<u>Independent Practice:</u> Pages 593 - 594	<u>Independent Practice:</u> Pages 601 - 602	<u>Independent Practice:</u> Pages 609 - 610	<u>Independent Practice:</u> Page 614
<u>Exit Slip:</u> Reflect (Page 588)	<u>Exit Slip:</u> Ticket Out the Door	<u>Exit Slip:</u> Ticket Out the Door	<u>Exit Slip:</u> Ticket Out the Door	<u>Exit Slip:</u> Collaborate (Page 615)

<u>Assessment:</u> Oral Responses, Observation, Class Discussion	<u>Assessment:</u> Homework (Pages 595 - 596)	<u>Assessment:</u> Homework (Pages 603 – 604)	<u>Assessment:</u> Homework (Pages 611 - 612)	<u>Assessment:</u> Homework (Page 616)
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<u>Day 6</u>	<u>Day 7</u>	<u>Day 8</u>	<u>Day 9</u>	<u>Day 10</u>
<u>Lesson:</u> Inquiry Lab	<u>Lesson:</u> 4	<u>Lesson:</u> Inquiry Lab	<u>Lesson:</u> 5	<u>Lesson:</u> Inquiry Lab
<u>Standards:</u> 8.G.9	<u>Standards:</u> 8.G.9	<u>Standards:</u> 8.G.9	<u>Standards:</u> 8.G.9	<u>Standards:</u> 8.G.9
<u>Mathematical Practices:</u> 1, 3	<u>Mathematical Practices:</u> 1, 3, 4	<u>Mathematical Practices:</u> 1, 3	<u>Mathematical Practices:</u> 1, 2, 3, 7	<u>Mathematical Practices:</u> 1, 3
<u>Academic Vocabulary:</u> None	<u>Academic Vocabulary:</u> Lateral Area, Total Surface Area	<u>Academic Vocabulary:</u> None	<u>Academic Vocabulary:</u> None	<u>Academic Vocabulary:</u> None
<u>Objective:</u> Find the surface area of cylinders using models and nets.	<u>Objective:</u> Find the surface area of cylinders.	<u>Objective:</u> Justify the formula for the surface area of a cone by using a net.	<u>Objective:</u> Find the surface area of cones.	<u>Objective:</u> Determine how changes in dimensions affect area and volume.
<u>BellRinger:</u> On Board	<u>BellRinger:</u> On Board	<u>BellRinger:</u> On Board	<u>BellRinger:</u> On Board	<u>BellRinger:</u> On Board
<u>Guided Practice:</u> Page 617	<u>Guided Practice:</u> Page 622	<u>Guided Practice:</u> Page 627	<u>Guided Practice:</u> Page 634	<u>Guided Practice:</u> Page 639
<u>Independent Practice:</u> Page 618	<u>Independent Practice:</u> Pages 623 - 624	<u>Independent Practice:</u> Page 628	<u>Independent Practice:</u> Pages 635 - 636	<u>Independent Practice:</u> Page 640
<u>Exit Slip:</u> Reflect (Page 618)	<u>Exit Slip:</u> Ticket Out the Door	<u>Exit Slip:</u> Collaborate (Page 629)	<u>Exit Slip:</u> Ticket Out the Door	<u>Exit Slip:</u> Reflect (Page 640)

<u>Assessment:</u> Oral Responses, Observation, Class Discussion	<u>Assessment:</u> Homework (Pages 625 - 626)	<u>Assessment:</u> Homework (Page 630)	<u>Assessment:</u> Homework (Pages 637 - 638)	<u>Assessment:</u> Oral Responses, Observation, Class Discussion
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<u>Day 11</u>	<u>Day 12</u>	<u>Day 13</u>		
<u>Lesson:</u> 6	<u>Lesson:</u> Chapter Review	<u>Lesson:</u> Chapter Test		
<u>Standards:</u> 8.G.9 <u>Mathematical Practices:</u> 1, 3, 4 <u>Academic Vocabulary:</u> Similar Solids	<u>Standards:</u> 8.G.9 <u>Mathematical Practices:</u> 1, 2, 3, 4, 6, 7 <u>Academic Vocabulary:</u> All	<u>Standards:</u> 8.G.9 <u>Mathematical Practices:</u> 1, 2, 3, 4, 6, 7 <u>Academic Vocabulary:</u> All		
<u>Objective:</u> Solve problems involving similar solids.	<u>Objective:</u> Use formulas in math and science.	<u>Objective:</u> Use formulas in math and science.		
<u>BellRinger:</u> On Board <u>Guided Practice:</u> Page 644 <u>Independent Practice:</u> Pages 645 - 646 <u>Exit Slip:</u> Ticket Out the Door	<u>BellRinger:</u> On Board <u>Guided Practice:</u> Page 650 <u>Independent Practice:</u> Pages 651 - 653 <u>Exit Slip:</u> Reflect (Page 654)	<u>BellRinger:</u> On Board <u>Guided Practice:</u> Answer any questions students may have. <u>Independent Practice:</u> Chapter Test <u>Exit Slip:</u> Reflect (What did you not understand from the test?)		
<u>Assessment:</u> Homework (Pages 647 – 648)	<u>Assessment:</u> Homework (Study for Test), Oral Responses, Observation, Class Discussion	<u>Assessment:</u> Chapter Test		