**Getting To Know The Textbook:** We are using Carnegie's Integrated Math II consumable textbook. This means that students will engage in the material by tearing out and working on written activities and by working online using Mathia. The book is broken down into 5 modules. Each module has 3 topics. Within each topic there are anywhere between 2 and 6 lessons. Each lesson will typically have a warm up, multiple activities, and then a homework section. Mathia this year will also have 5 modules that align directly to the modules in our textbook.

Welcome To Standard Based Grading: This means the student will be judged highly on the level of mastery they achieve on each essential outcome. An essential outcome is a learning goal or skill that the student needs to master in order to be successful in the next level of mathematics.

Each essential outcome will be judged on assessments with mastery levels at a 5, 4, 3, 2, 1, or 0 as defined below:

5	Advanced Master
4	Mastery
3	Basic Mastery
2	Heading Towards Mastery
1	No master
0	No honest attempt to show mastery level

Instead of the gradebook being broken into sections like quizzes, tests, class participation, homework, etc. It will consist of the essential outcomes/standards with percentages based on the importance of those essential outcomes. Assignments will be broken into your Mathia Workspace scores, classwork, projects or other explorations that will help you prepare for that particular standard. Retakes will be allowed based partly on the completion of your assignments at a high percentage. To earn further retakes on an essential skill, the student may be required to complete other work.

Some students can master skills by doing less, while others need to do everything to wrap their brain around a concept.

## Please note that the percentages for each essential outcome are best estimate and may be modified to take into account the actual pacing of the class to best meet the needs of my students.

Why Standards Based Grading: In the simplest of answers, because it is best for students. Instead of getting credit based on effort, students earn grades based on how well they have mastered an essential outcome. If students do not like their grade, they can look at what essential outcomes they have not mastered and take advantage of a retake to raise that mastery in the future. This type of grading not only holds students accountable for what they know, but changes the conversation from "How can I raise my grade?" to "I see that I am having problems mastering this essential outcome, can you please help me understand so that I can improve my mastery level?" Conversations like these will help students take ownership of their own learning and better facilitate communication between students, parents, and myself in regards to content areas of strength and weakness.

## Standards Grade Break Down: "These are approximates weights and are subject to change"

Circles: G.C. 15%			
Skill number		Percentage/Weight	
Identify relationships in circles:			
1	Inscribed angles, Central Angles, Semicircles		
2	Radii, Chords		
3	Circumscribed angles		
4	Radius is perpendicular to the tangent line at the point of tangency.		
Prove that all circles are similar:			
5	Prove two circles are similiar		
Construct the inscribed and circumscribed	circles of a triangle:		
6	Inscribed angles		
	Total this Standard	15	
Congruence: G.CO. 30%			
Prove Theorems About Lines and Angles :			
7	Vertical angle theorem		
8	Parallel lines and transversals		
Prove Theorems About Triangles:			
9	Interior angle theorem		
10	Isosceles triangle theorem		
11	Triangle Midsegment theorems		
12	Medians of a triangle meet at a point		
13	Know and apply the 45-45-90 Triangle Theorem		
14	Know and apply the 30-60-90 Triangle Theorem		
Prove Theorems About Parallelograms:			
	Parallograms.congruent opposite sides, opposite angles, diagonals bisect.		
15	rectangles have congruent diagonals		
	Total this Standard	30	
Similiarity in Right Triangles: G.SRT. 40%			
Use the definition of similarity to determine	e whether two figures are similar:		
16	Identify the congruent angles and proportional sides in two similar figures		
17	Use transformations formations to verify that two figures are similar		
Use the properties of transformations to p	rove the A-A similarity postulate:		
18	A-A similarity		
Prove Theorems about Triangles:			
19	Prove the triangle proportionality theorem		
Use congruence and similiarity in triangles	s to solve problems:		
20	Use indirect measurement to solve real world problems		
Use similarity to define trigonometric ratios:			
21	Identify the sine cosine tangent ratios for acute angles		
21	Identify the angles that satisfy a given trigonometric ratio		
Identify the trigonometric ratios of the con	Internative angles and satisfy a given angenemetric rate.		
23	Trig ratios of complement		
Use the trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems:			
24	Use the Pythagorean theorem to find the missing side		
24	Use the inverse trigonometric functions to find the missing acute angles		
20	Use trigonometric ratios to find missing sides		
20	Total this Glandar	40	
	Multi Standard Assessment	40	
	Final tot Competer Orad	> 10 - 400	
	Final 1st Semester Grade	a 100	