



**Thornton High School**  
 9351 North Washington • Thornton, CO 80229  
 Office: (720) 972-4800 • Fax: (720) 972-4999  
<http://www.thorntonh.adams12.org>



<b>School Year</b>	2017-2018	<b>Teacher Name</b>	Justin Lee
<b>Office</b>	Room 533	<b>Off Hours</b>	1 <sup>st</sup> and 3 <sup>rd</sup> hour
<b>Phone</b>	720-972-4950		
<b>Email Address</b>	Justin.Lee@adams12.org		

<b>Course Name</b>		CMIC 2	
<b>Course Description</b>		This course in mathematics will model the Colorado State and Adams 12 Math Standards. Students will be encouraged to think beyond the algebra and functions; geometry and trigonometry; statistics and probability; as well as discrete mathematics contained in the textbook. The students will be developing how to study, think, organize and take responsibility for one's own learning. Students will be encouraged, at all times, to think for themselves; ask questions; and work with others, to strengthen both their understanding and that of their peers.	
<b>Unit of Study</b>	<b>Grade Level Expectations/Content Standards</b>	<b>Approximate Time Spent or Percent of time Spent</b>	<b>Targeted Date of Assessment</b>
<b>Unit 1</b> – Functions, Equations, and Systems	Students will understand algebraic thinking and problem solving of functions and equations involving several independent variables as well as systems of linear equations with two variables. <b>(Standards 1.2, 2.1, 2.3, 2.4)</b>	6-7 weeks	Quarter 1
<b>Unit 3</b> – Coordinate Methods	Students will understand that coordinate methods are used to represent polygons and circles as well as transformations of polygons. <b>(Standards 2.4, 3.1, 4.1, 4.2, 4.3, 4.5)</b>	4-5 weeks	Quarter 2
<b>Unit 7</b> - Trigonometric Methods	Students will understand that trigonometric ratios for right triangles, Law of Sines, and Law of Cosines will support their understandings of functions and their interrelationships. <b>(Standards 1.2, 2.2, 2.3, 2.4, 3.1, 3.3, 4.2, 4.5)</b>	5-6 weeks	Quarter 2 and Quarter 3
<b>Unit 8</b> – Probability Distributions	Students will understand that the important properties of the Addition Rule, Multiplication Rule, and Law of Large Numbers will help them make connections around probability. <b>(Standards 3.1, 3.2, 3.3)</b>	3-4 weeks	Quarter 3
<b>Unit 5</b> – Nonlinear Functions and Equations	Students will understand that the concepts and skills related to quadratic functions and equations expand their symbol manipulation skills to non-linear systems and logarithms. <b>(Standards 2.3, 2.4)</b>	6-7 weeks	Quarter 4
<b>Unit 4</b> – Regression and Correlation (if time)	Students will understand that organizing, displaying, and summarizing is important when interpreting the shape, center, and spread of bivariate data. <b>(Standards 2.1, 2.2, 2.3, 3.1, 3.2)</b>	3-4 weeks	Quarter 4

<b>Grading Scale</b>		<b>Grade Percentages/Weights</b>	
<b>A</b>	90-100	<b>Summative Assessments &amp; Projects</b>	<b>80%</b>
<b>B</b>	80-89	<b>Formative Assessments &amp; Projects</b>	<b>20%</b>
<b>C</b>	70-79		
<b>D</b>	60-69	*Weekly progress grades are posted at <a href="https://ic.adams12.org/campus/portal/adams12.isp">https://ic.adams12.org/campus/portal/adams12.isp</a>	
<b>F</b>	59 or below		



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### General Expectations

- Grades are based upon the demonstration of proficiency on units associated with a standard given during each formative or summative assessment. Formative grades in addition to summative unit assessments will be used to holistically determine your grade.
- **Summative: 80%** Summative measures of achievement are taken when unit master is expected. (i.e., unit tests, culmination of a project, embedded assessments, etc.)
- **Formative: 20%** Formative assessments measure the scaffolding skills and/or content embedded in the unit. Formative assessments are taken frequently, after a student has practiced a skill or become familiar with content. Examples of formative assessments include but are not limited to exit tickets, paragraphs, oral check for understanding, warm-ups, stages in a large project, etc.
- Assessments will be graded based on teacher/district/state rubrics.
- On group projects, students will receive a grade for individual work and a group grade.
- Grades are based on achievement of Content Standards and Grade Level Expectations.

- First and second semester final exams **ARE NOT** eligible for retake.
- A student is allowed to retake any summative assessment up to ten (school) days after the original summative assessment has been graded and communicated to the student. After the ten days, the eligibility for retake will expire unless prior arrangements have been made with the teacher.
- All retakes will be for full credit.
- On the first retake, the student does not need to provide evidence of learning. Any subsequent retake during the 10-day period will require a body of evidence of learning as determined by the teacher. The teacher must allow a reasonable period of time for student completion of the body of evidence.

### Class Expectations

**Missing or incomplete assignments/assessments for this course:** Superintendent Policies 6280 Homework and 6281 Make-Up Work, will be followed for this course.

The class should do its best to be focused and on task at all times. Spontaneous song and dance routines are frowned upon.

The classroom should be a safe and welcoming environment where we treat each other with respect

### Student Expectations

Homework will be assigned twice weekly (most weeks). Typically, one homework will be assigned on Monday and due Wednesday and the second homework will be assigned on Wednesday due Friday. The last day of every week there will a formative assessment based on the homework and any classwork completed.