**2017 Trigonometry Syllabus**

**Ms. Kondracki and Mrs. Albertson**

**Email:** **mkondracki@iwacademy.org** **and** [**iwakalbertson.weebly.com**](http://iwakalbertson.weebly.com/)

**Phone: 314.725.5850 Ext. 1106**

**Rational:**

* Trigonometry has been used for millennia to solve problems related to astronomy, surveying, and construction. Today trigonometry is still a valuable tool for the above and is an essential prerequisite to physics, calculus and engineering courses.

**Course Description:**

* Trigonometry covers the definitions of the functions of an angle, development and use of the usual formulas, identities, solutions of triangles, trigonometric equations, inverse functions, radian measure and applied problems. Students must have a thorough knowledge of Algebra and Geometry. During this class, you will build problem solving skills while we tentatively cover the following topics:

**Fall 2017**

* Chapter 1 – Angles and the Trigonometric Functions – Sections 1-6
* Chapter 2 – Graphs of the Trigonometric Functions – Section 1
* Chapter 3 – Trigonometric Identities – Sections 1-5
* Chapter 5 – Applications of Trigonometry – Sections 1-4

**Goals:**

* By the end of the semester, I want you to have enhanced your ability to use a problem-solving approach and apply trig to application problems. I aim for you to master all of the topics listed above.

**Materials Needed:**

* Textbook - Trigonometry by Dugopolski 3rd Edition, ISBN 978-0-321-64475-6
* Graphing Calculator (TI-84) ***bring this every day***
* Folder/Binder to keep handouts and homework organized
* Notebook to keep notes in (you may organize your binder to have a notes section)
* Pencils
* Highlighters (optional)
* Charged BYOD

 **LAPS:**

* All students will receive a LAP at the beginning of each unit during class. If you should lose your LAP, they will be posted on my website.

**Absences:**

* Since we fill in the due dates in our LAPs, you will know the assignment already. Feel free to e-mail me and ask for filled in notes, worksheets, etc.
* Come in during the earliest open lab possible if the material was confusing to you when you attempted the assignment
* If you miss a day that an assignment was due, your assignment is still **due when you return**. If it is not turned in the day you return to class the assignment will be considered late and no longer absent.

**Expected Behavior:**

1. Listen. When I or one of your peers is sharing, you must be silent and listening. I will not tolerate excuses for talking while someone else is talking.
2. Be prepared. This includes having homework and materials, and being ready to learn.
3. Participate. Take detailed notes, respond when called upon, even if you are unsure, and be persistent when problems are tough.
4. Follow all school rules regarding food, cell phones, uniforms, etc. Phones should never be out inside my classroom. If you need it for any reason (ie 2-step verification), then you must ask first before you retrieve it, and you must put it away immediately.

**Late Work Policy**

* Formatives not turned in on the due date (found on lap) will be graded for late credit of 50%. Late formatives will not be accepted after one LAP has passed.

**Grade Breakdown:**

 Formative Assessments

* **Practice Problems**

Practice Problems must be completed between the day I assign it and our next class meeting. Practices Problems are graded on completion. I will do a quick check to see if it is completed. If it is not, you will sign up for an open lab. If more than 2 problems are left blank you will not receive full credit for the assignment.

* **Daily Quizzes**

Daily Quizzes will be given after each practice problem assignment. It will be over the practice problems, which you will be able to use on the Daily Quiz. These quizzes are given for accuracy and understanding of the previous lesson. Work is expected to be shown for full credit. Quizzes must be taken when I give them out even if you did not complete the practice problems unless you are absent.

 Summative Assessments

* **Tests**

Tests will be taken at the Testing Center and you must complete them by the date on the LAP. Tests are your chance to prove to me you truly understood the material in this unit, and that you are ready to move on to the next unit.

* **Projects**

Projects are another way of showing me how much you understand, and so they will account for the same percentage of your grade.

 Final Exam (15%)

* **Finals**

At the end of each semester there will be a cumulative exam of the material in the given semester.

**Open Labs**

* My open lab times are posted on my door. Make sure you check your schedule to know when we have open lab time in common. Please come to open lab if you need help in math. The open lab rules are posted in the classroom and will be taken very seriously.  *Do not* come to my open lab if you do not have math related work. The reason for open labs is for students to obtain extra help in subject areas.

**Incarnate Word Academy**

Grading Information 17-18

To ensure accurate reporting in grades, all teachers at IWA will categorize assignments and assessments into two categories: Formative and Summative. You will distinguish between the two because all Summative Assessments will be designated as so in the teacher’s grade books.

* **Formative assessments** are on-going assessments in a classroom and can include homework, open lab activities, quizzes, and class work. Teachers use formative assessment to improve instructional methods and student feedback throughout the teaching and learning process.
* **Summative assessments** are typically used to evaluate the effectiveness of instructional programs and services at the end of an academic year or at a pre-determined time, such as at the end of each LAP. Summative assessments would be considered LAP tests, culminating projects, presentations, tests, and exams. The goal of summative assessments is to make a judgment of student competency after an instructional phase is complete. Summative evaluations are used to determine if students have mastered specific competencies and to identify instructional areas that need additional work. On Summative assignments no student can earn lower than 50%.

**Gradebook:**

* Beginning in the 17-18 school year all teachers will have a common gradebook established by the school. The gradebook will have three sections: formative, summative, and final exam.
* Starting in the 17-18 school year all teachers will operate using a total points system.
* Final exams must be 15% of the overall point value.

**Summatives & the end of the semester:**

No new summatives may be given, assigned or due the last week of the semester. The final days of the semester should be used for continued teaching if there is material that will appear on the final. Review of the semester/year or enrichment types of activities that allow our students to think critically or work on materials that stretch them.

* 1st Semester – Last day for any new summatives to be due:
	+ All levels – December 8
* 2nd Semester – Last day for any new summatives to be due:
	+ Seniors – April 26
	+ Juniors – April 27
	+ Freshmen and Sophomores – May 11

**Score Codes used for Individual Assignments:**

* **ABSENT**: This means that the student was absent the day the activity was due.  (This counts as a zero until the assignment is turned in.)
* **LATE**: This means that the student was in class the day the activity was due, but did not turn in the assignment.  (This counts as a zero until the assignment is turned in.)
* **EXCUSED (EXC)**: This means that the student has been excused from completing this assignment.  (This has no effect on the grade.)
* **REDO**: This means a summative assessment has been taken but failed. This requires a student to retake or redo the assessment according to the class policy. The REDO score code is tied to a 50%.
* **T**urned **I**n **N**ot **G**raded (**TING**): This means the summative assignment has been received by the teacher and is in the process of being graded. This acronym (TING) will only be used for summative assessments that will require a lengthy grading process. It will **not** be used for daily assignments.
* **I** (INCOMPLETE): This means that the summative is incomplete. The I is tied to a zero.

**Score Codes used in the Final Score Column Only:**

* **RD:** This means a summative assessment has been taken but failed. This requires a student to redo the assessment according to the policy.

* **I** (INCOMPLETE)**:** This means a student has missed a summative assessment and her overall grade is frozen until the summative is completed. Once a student has been given an INCOMPLETE for a missed summative; upcoming assignments should be graded, scored, and recorded.

**Formative Assessment Late Work policy:**

* During the course of each QUARTER, a student will have one NLP (No Late Penalty) assignment. When the late assignment is turned in, no late points will be deducted. If multiple assignments are missing and then turned in late, the NLP will be given to the assignment worth the most points.
* Any formative assignment not turned in will always be due by the end of next LAP for partial credit. This will be listed on the next LAP.
* If work is turned in late, 50% is the only grade a student can receive.
* After the next LAP ends, assignments not turned in will be given a zero and will no longer be able to be turned in for credit.

**REDO policy**

**For Failures**

* Students who score a 64% or below must REDO the failed summative assessment.
* Upon failing the summative assessment, the gradebook will show “REDO” in the cell where the grade goes. “REDO” will remain in place until the summative assessment is redone. A REDO is tied to a 50%.
* A student may earn full credit (100%) on a REDO summative assessment. The score the student earns on the REDO will take the place of her original score.
* The REDO list will be generated every Monday morning at 8:00 AM. If a student has a REDO she will receive an email with instructions after mod 10. Students have until the following Friday at 3:00 PM to complete the REDO.
* A student may not begin the REDO process until all missing formative assessments for that LAP are complete and turned in. No student may take a REDO with missing formative assessments.
* REDOs can be completed in Open Lab, the Testing Center or on Wednesday mornings. The decision will be made between the student and teacher as to where the assessment is completed.
* Students are required to be present in the MPR for all/any REDO’s.
* A student may appear on the REDO list for two consecutive weeks for the same assessment. If the REDO is not completed by the Friday of the second week, the teacher will give a detention.
* If a student fails to complete a required REDO, but earned higher than a 50% on the original assessment, the student’s grade will reflect the original score, and she will receive a detention from the teacher of that class for not completing the process. Detentions are served on Friday mornings from 7:00-7:50 am.
* Once a detention has been given for the failed Summative it can no longer be retaken/redone.

**Timeline for Failures**

* At 8:00 AM on Monday morning the REDO report will be generated.
* Students will have two weeks to complete the process, unless they finish the process sooner.
* Students who have a REDO must report to the MPR on Wednesday mornings.
* A student can be on the REDO list two consecutive Wednesdays to complete the needed assessment. You will know a student’s progress on the REDO process due to a color system. When a student appears on the REDO list once the cells will be white, the second time they appear on the REDO list the cells will be colored yellow, and finally if they are on the REDO list a third time the cells will be highlighted in red. At that point, you will give the student a detention for failing to complete the REDO process. The student will also receive the original failing score (minimum score is a 50% on all summatives).

**For Optional REDOs**

* Students who score between a 65% and a 79% have the option to REDO the summative assessment.
* Upon completing the optional redo process, a student may earn full credit (100%).
* Students will meet with their teachers and discuss the steps they must complete before students take the optional REDO. A student cannot take the optional REDO if they have not completed and turned in all formative assessments.
* If a student fails to complete an optional REDO, the student’s grade will reflect the original score earned and she will receive a detention from the teacher of that class for not completing the process. Detentions are served on Friday mornings from 7:00-7:50 am.
* Once a detention has been given for the optional REDO it can no longer be retaken/redone.

**Timeline for optional REDOs**

* No report will be generated for optional REDOs
* Students will have two weeks to complete the process, unless they finish the process sooner.
* If the student begins the optional REDO process and does not complete it the student will receive a detention and receive her original score.

**Incomplete Policy**

All Summative assessments will follow this policy:

* If not all the summative assessments are completed, the student will not receive credit for the course.
* Completed is defined as took/completed every summative offered in the course.
* If a student misses a summative assessment (it will be identified on each LAP), it is the student’s responsibility to contact the teacher to make arrangements to reschedule. Students and parents will be notified that they are on the Incomplete list via email every Monday after mod 10.
* However, once the summative assessment is missed, the grade will become a “LATE” or “ABSENT” which are both tied to a zero, and the cumulative grade will become an “I” for incomplete.
* The “I” will not be removed until the summative assessment has been taken or the student misses the deadline.
* If a student does not complete a summative assessment by the due date listed on the LAP, she will receive a detention from the teacher of the missing assessment. If a student is absent on the due date no detention will be issued.

Examples include:

* + Not taking a test or turning in an essay or project
	+ Not having a class presentation or speech ready on the assigned day
	+ Not completing a yearbook spread by the deadline day
* The Incomplete list will be generated at 8:00 am every Monday morning. Students will receive an email after mod 10 informing them that they have an Incomplete and what steps they must take to complete it.
* Once a summative is missed, the student will be required to be at school, in the MPR, the following Wednesday morning at 8:00 am. This is not optional. Students must arrange to be here on time. Failure to be in the MPR will result in a 1D (one demerit and one detention) for a missed appointment.
* If the missing summative assessment is a project or a performance the student must have set up a time to make up the assessment with the teacher. A student should use this Wednesday time to prepare for the assessment, take the assessment, or get themselves caught up in other subject areas. The student will be required to be in the MPR, every Wednesday at 8:00 am until she no longer has any incompletes for missing summative assessments.
* Students have until Friday of the week they received the email to complete their missing summative assessment with no grade deduction or penalty. However, if a student does not complete the assessment by Friday of the week they received the email; a student will receive a 50% on the summative assessment and receive a detention issued by the teacher of the subject. If school is not in session on Friday the summative is due the next letter day.
* Students must still complete the assessment even though their grade will not be raised. Students will receive a detention every Monday from the Dean of Students until the summative assessment is complete. If a student does not complete the assessment at all by Performance Assessment Day, the student will fail the course.