# Carver Christian High School

### Carver Logo BW Logo Pre-Calculus 12

### 2017-2018 Course Outline

## **Teacher: Ms. J. Kim**

jkim@carverchristian.org

Pre-Calculus 12 Overview:

***Objective:***

The objective of this course is to help students to expand on the topics introduced in previous Mathematics courses. It is designed for students who intend on pursuing post-secondary studies in a calculus based subject. Mathematics is a tool that can used everywhere in life.

***Prerequisite:*** Pre-Calculus 11

## Pre-Calculus Math 12 Topics:

|  |  |
| --- | --- |
| **Topic** | **Title** |
| Ch. 1 | Transformation Functions |
| Ch. 2 | Radical Functions |
| Ch. 3 | Polynomial Functions |
| Ch. 4 | Trigonometric Functions |
| Ch.5  | Trigonometric Functions and Graphs |
| Ch.6  | Trigonometric Equations and Identities |
| Ch. 7 | Exponential Functions |
| Ch. 8 | Logarithmic Functions |
| Ch. 9 | Rational Functions |
| Ch. 10 | Function Operations |
| Ch. 11 | Combinatorics |

Course Resources:

*Pre-Calculus 12*, 1st Ed. Toronto, McGraw-Hall Ryerson, 2011.

Assessment:

|  |  |
| --- | --- |
| ***Marks for each Report*** | **% of Term** |
| Homework | 10 |
| Quizzes | 35 |
| Tests | 55 |
| Total: | 100 |
|  |  |

 \*mark distribution may change during the term.

Final Mark Breakdown:

A 86-100%

B 73-85%

C+ 67-72%

C 60-66%

C- 50-59%

F 0-49%

Term 1 40%

Term 2 40%

Final Exam 20%

Total: 100%

Materials:

* A binder with lined paper
* pencils, eraser, blue/black pen, red pen
* student planner
* TI-83+, TI-84+, or TI-Nspire graphing calculator (and a Scientific Calculator, if you have one)
* loose leaf graph paper and loose leaf lined paper
* dividers (note, homework, quizzes & tests)

Expectations:

1. **Show UP!**

I will expect that when you are here, you are here to get some work done. Everyone is to try their best. If you are not working to the best of your abilities, the teacher has the right to move the student to a more suitable location or keep the student in during lunch or after school. Further action may result if there is no improvement.

1. **Keep UP!**

Try to stay up to date on the work we do in class. I am here at lunch and after school for extra help if you ever need any! It is YOUR responsibility to catch up on all missed work and complete all assignments when you are absent. Phone a "Class Buddy" to get missing assignments or check the class website. Also use your time wisely in class!

1. **Be Ready!**

Bring all materials (pencil, calculator, etc.) to class every day and be prepared in your own seat to start class.

1. **Respect!**

Everyone must respect each other and everything in the classroom. Listen attentively when another person is talking (e.g. teacher, classmate) and watch your language!

1. **Electronics (Music players, Cell Phones, smart watches etc…)**

Please be respectful with your electronics. I should not see a cell phone or hear one especially during note taking! Ear-buds are not worn or hung around your ear during note taking as well!

Note: Smart watches are removed when writing a test or a quiz! The time will be posted for you

1. **Eating in class**

You are not allowed to eat in class but there can be some exceptions. Please ask me first before thinking of eating. Also no chewing gum in the class! I am not responsible to clean up after your garbage! I should not see wrappers, empty cans or juice containers left behind!

1. **Lateness and Absences**

Please do not show up to class late all the time. If you have to be away, please bring a signed note from home explaining your absence on your FIRST day back. No note means you SKIPPED class and a phone call or email will be sent home!

1. **DO NOT MISS A TEST!!!** You will receive a ZERO on any test or assignment that you miss due to an unexplained absence. Tell me BEFORE THE TEST to let me know that you will not attend. Bring a signed note on the FIRST DAY back.
2. Any cheating that is detected on assignments, tests, or quizzes will result in a score of 0%. A meeting with your parents and administrator will also take place.

Homework Buddy #1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Phone #\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework Buddy #2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Phone #\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**RESPECT…**

**Yourself,**

**Your classmates,**

**Your teacher,**

**Your own learning &**

**Your classroom.**