Northwest High School

NC Math 4

Bill Davidson Room 451

2020-2021

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# Overview

NC Math 4

Unit order will vary based on compatibility with online learning.

Unit 1. **Statistics**: Apply formal and informal statistical inference to make sense of, and make decisions in, meaningful real-world contexts.

Unit 2. **Probability**: Apply probability distributions in making decisions in uncertainty.

Unit 3. **Power and Piecewise Functions**: We will cover concepts dealing with domain and range, graphs of functions, transformations of functions, and maximums and minimums of functions.

Unit 4 **Logarithmic and Exponential functions**: We will cover concepts dealing with laws of logarithms, exponential and logarithmic equations, applications, graphing exponential function, natural exponential function, and logarithmic functions.

Unit 5 **Trigonometric Functions**: Apply properties of Trigonometry and solve problems.

Unit 6 **Properties of Matrices and Vectors**: Execute procedures of addition, subtraction and scalar multiplication on vectors.

Unit 7 P**roperties and Operations with Complex numbers**: Execute procedures to add, subtract, and multiply complex numbers.

# Grading system

 Tests 50%

 Quizzes 30%

Homework 20%

Quizzes will be daily and derived from any previous course material.

**Tests** : All testing is still evolving around the virtual education atmosphere.

## Tutorial Times: Each class has a “Remind” account by which a student may contact me. Email is also an option.

# Make-up work : While virtual, all assignments have a one-week deadline. No late work accepted.

# Classroom Rules / Expectations

1. Be present online when class is in session

# Textbook

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| BROOKS/COLE - Algebra and Trigonometry (Issued to students)  |

# Classroom/Virtual materials

 3-ring binder with paper (line and graph) and dividers

 PENCILS only, no work with pens will be accepted or graded.

 Calculator TI-84

# Grading Scale

 > 90 A

 80-89 B

 70 – 79 C

 60 – 69 D

 < 59 F