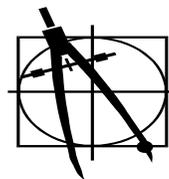


PreCalculus
COURSE DESCRIPTION 2016-2017
Mr. Shionalyn



Course Overview:

Welcome to Kingston High School and PreCalculus. This year we will be studying functions in-depth including polynomials, exponents, logarithms, and trigonometry. We'll then move into some other areas of math like the complex plane, polar plane, matrices, conic sections and a little introduction into calculus and statistics. All of these topics will be integrated into solving real-world problems directly using mathematical skills. PreCalculus is considered entry level for college mathematics and students are expected to put in the amount of effort one would expect at that level. The use of graphing calculators will be an integral part of this course.

Expectations:

- **Be prepared** for class each day and arrive on time with all necessary materials.
- Have a willingness to **learn, problem solve, and grow** from your mistakes
- **Read and study** each lesson, completing all assigned problems.
- **Attend** class each day.

Supplies:

You are expected to bring the following materials EVERY day:

- PreCalculus textbook
- 3- Ring Binder with graph paper (may be a shared binder with another class)
- Pencils and erasers
- Calculator* (Required: Graphing calculator, TI-83plus, TI-84plus, or Casio Graphing recommended)

Grading:

Students will be given individual scores based on their ability to demonstrate the necessary mathematical skill for each standard. These scores are fluid and students may raise them by demonstrating the required skills at any point during the year.

- **Quizzes and Tests (50%):** Quizzes will be given routinely throughout the year to gauge progress on each standard. Students receiving below a 3 on any standard are required to do corrections before a score will be entered. Failure to complete corrections may result in a zero. There will be a cumulative final each semester providing another chance to demonstrate learned skills.
- **Projects (50%):** Projects will be given once per unit in order to provide students an opportunity to examine the applications of mathematics in other fields. A project based final will be given each semester.

Current progress will be updated routinely in Skyward for parents and students to access. In general, each standard is graded by following rubric:

- 4 (A) – Student has shown in-depth application of concepts and skills.
- 3 (B) – Student has shown a deep understanding of concepts and skills with minimal errors.
- 2 (C) – Student has shown some knowledge of concepts and skills while making a few major errors and/or requiring minimal assistance.
- 0 (F) – Student has yet to provide any evidence of understanding.

Late Work Policy:

Students may make up missed quizzes any time before or after school during office hours. Late projects may only be turned in after students have met with the teacher by appointment before or after school for an in-depth discussion of their work. Study Hall is available by appointment only.

Contact:

396-3383, kshionalyn@nkschools.org
khs.nkschools.org/staff_sites/kshionalyn/precalculus
Room 168: Office Hours (M-F 7:30-7:50; MTThF 2:25-3:00)

THANK YOU.
Keenan Shionalyn

*KHS Library has limited calculators available for those who cannot afford one, check with Mr. Shionalyn if you need to use this resource