

Pre-Calculus (Hybrid Option) Syllabus

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<u>ESSENTIAL OUTCOMES</u> – by completing this course:	
Identify and graph various transformations of functions.	Find inverses of functions graphically and algebraically.
Perform operations with complex numbers.	Recognize, sketch, and analyze graphs of polynomial and rational functions including: domain and range, intercepts/zeros, asymptotes, and relative extremas.
Graph and solve exponential and logarithmic equations.	Fit exponential, logarithmic, and polynomial models to sets of data.
Evaluate trigonometric functions of any angle.	Use the concepts of period, amplitude, and translations to graph sinusoidal functions.
Use trigonometric functions to model periodic phenomena.	Use fundamental trigonometric identities to evaluate trigonometric functions, simplify trigonometric expressions, and verify other trigonometric identities.
Use standard algebraic techniques and inverse trigonometric functions to solve trigonometric equations.	Use law of sines and law of cosines to solve triangles in various applications.
Use matrices to solve systems of linear equations.	Estimate limits, approximate slopes of tangent lines, use the limit definition of slope.

TEXTBOOK *SpringBoard Precalculus (AP Prep)*

REQUIRED MATERIALS Need in class by **Tuesday September 11th**

- ★ folder
- ★ pencils
- ★ graph paper

GRADING DISTRIBUTION

Formative Assessments - 20%

- Homework checks
- Team tests

Summative Assessments - 80%

- Individual Test - 70%
- Final Exam - 10%

GRADING SCALE

	A	93%-100%	A-	90%-92%	
B+	87%-89%	B	83%-86%	B-	80%-82%
C+	77%-79%	C	73%-76%	C-	70%-72%
D+	67%-69%	D	63%-66%	D-	60%-62%
	F	0%-59%			

GRADING

Students will be graded on classwork, tests and projects.

Students will be expected to complete classwork every day. At the end of the unit, the daily work will be graded on completion. It is essential that students work diligently on the classwork in order to be prepared for the summative assessments.

Quizzes, team tests and individual tests will be given at least once a chapter. Team tests will be graded as a team. Students will have the opportunity to retake individual tests if they correct the original test, meet with the teacher, and complete the extra work assigned before the retake. The higher score will be assigned.

ADDITIONAL RESOURCES

Students are encouraged to set up a time to come in for help during my office hours or during academic advisory time. My office hours will be Tuesdays from 2:37-3:15 PM and Thursdays from 7:15-7:45 AM. Tutor Time is also available in the media center after school every day except Wednesdays. An after bus tokens are available with a pass from tutor time.

ATTENDANCE

If a student is absent it is their responsibility to find out what they've missed. All missing work, quizzes, and tests, must be made up within 2 school days. The class will follow the school's policy on tardiness and absenteeism (see student handbook).

**** Attendance and effort will lead to success in this class! ****

RETAKE POLICY

Students will be allowed to retake summative assessments by completing test corrections and remediation assignments. Retakes must be completed before the next summative. Retakes may be done before or after school, during seminar, or during your hybrid class hour.

ELECTRONIC DEVICES

Following the school's policy on electronic devices, they will not be allowed in the classroom, unless instructed by the teacher. If they are seen or heard they will be taken and given to administration.

NO WARNINGS!

PreCalculus Hybrid Option

PreCalculus course permission form

Due to the nature of an advancing technological society and the need for our students to have 21st century skills, the Bloomington Public School system is offering a newer type of course at Kennedy. Hybrid courses combine the best components of face-to-face instruction with the flexibility of meaningful online instruction.

What makes a course a hybrid course?

Students will meet some days in class but will not come to class every day. For example, a hybrid course might meet on Monday, Tuesday, and Friday, but not on Wednesday and Thursday. Some course content like lectures will be delivered online and some work may be turned in online as well.

Are hybrid courses easier or harder than other courses?

Hybrid courses are not easier or harder but offer the same strong curriculum delivered in a different way. A student taking a hybrid course will be spending at least the same amount of time completing assignments as a student would in a traditional course.

Hybrid courses offer a flexibility that can fit well with some learning styles. To succeed in such an environment you need to be an independent learner, well organized, disciplined, and on-task. Students who have motivation, good time management and technology skills will likely do well in a hybrid course.

Participating in the hybrid is an option. If a parent wishes for a student to remain on site to complete the assigned schoolwork, the student is welcome and encouraged to do so. Class is held in the same room and at the same time for students enrolled in PreCalculus.

In order to participate in the hybrid, the following requirements must be met:

1. Students must log in to Google Classroom to check for information and to participate in hybrid activities.
2. Students must come to class with work completed from hybrid day the next class period.
3. Students must have a C or higher in the class to participate in the hybrid option.

Students who do not meet all 3 of these requirements will have to attend the class as scheduled.

The hybrid days will be scheduled by the instructor and announced in class.

If you have any questions, please feel free to contact me at ebaxter@isd271.org or call 952-681-5131. Please keep the above document for your reference, and return the bottom of this sheet to Ms. Baxter.

_____ has my permission to participate in the hybrid class for PreCalculus. I understand this means that the student will not be required to be in PreCalculus class on hybrid days if he/she meets the above criteria. The teacher and/or parent has the authority to rescind the hybrid day from the individual student as needed.

Signed _____ Date _____