

Lenape Regional High School District Calculator Information

Understanding that a comprehensive mathematics curriculum should help students learn to use calculators, computers, and other technological tools as a part of learning mathematics, the Mathematics Departments of the Lenape Regional High School District believe that calculator usage should be an integral part of mathematics education in our schools. The Technology Principle of the Standards document of the National Council of Teachers of Mathematics (NCTM) states: ". . . mathematics instructional programs should use technology to help all students understand mathematics and should prepare them to use mathematics in an increasingly technological world."

The NCTM and New Jersey Student Learning Standards make it clear, however, that such tools do not replace the need to learn basic facts, to compute mentally, or to do reasonable paper and pencil computation. Calculators and computers with appropriate software can transform the classroom into a laboratory where students can investigate and experiment with mathematical ideas. We put forth the following information so that students, parents, and teachers will agree on the use of technology in the classroom.

1. We encourage the appropriate use of technology in the classroom. Students need to consider when the use of mental mathematics, paper and pencil, or a calculator is appropriate.
2. The LRHSD requires the handheld Texas Instruments Nspire CX or CX II for all ACC and HON level mathematics courses Algebra 2 and beyond. The students' name should be engraved on the calculator and a record kept of the registration number. All other courses will allow the use of the Nspire, but not require it, and will encourage use of the Desmos online software.
3. Understanding that the purchase of a graphing calculator represents a considerable expense to the student, the Mathematics Department agrees that a calculator purchased will be useful to the student throughout all high school courses Algebra 2 and beyond. Students will not be expected to purchase an expensive upgrade for a later course.
4. Students will be required to show all work and be able to explain how they arrived at a solution on assignments, regardless of calculator use.
5. Students will be required to show understanding on tests with and without a calculator.
6. Currently, graphing calculators are allowed on the state math assessment, SAT, ACT, and Advanced Placement exams. Some colleges, however, do not allow calculators on their placement examinations and some do not permit their use in math classrooms.
7. The calculator should not replace fundamental understanding.

If you have questions regarding our calculator guidelines, please contact:

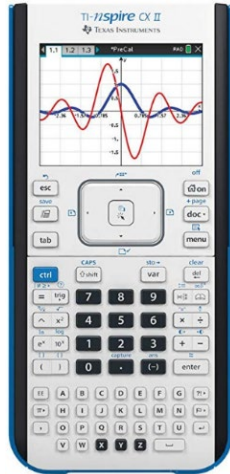
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TI-nSpire CX or CX II Graphing Calculator

TI-nSpire CX
(with white center keypad)

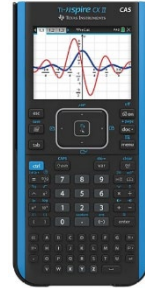


RECOMMENDED
TI-nSpire CX II
(white face, black center keypad)



Best option

TI-nSpire CX II CAS
(black face, blue border)



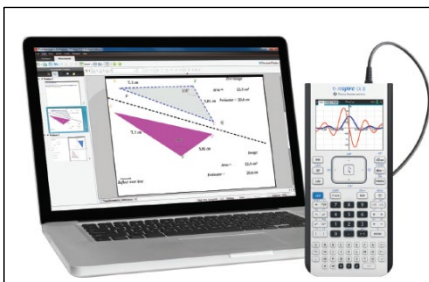
Some advanced CAS features will be required to be disabled on assessments.

What is the difference between the 3 shown above:

TI-nSpire CX (black, left) - an older model that TI is no longer producing. While TI is still supporting the software, it will become obsolete down the road. We do not recommend purchasing this beyond the 2019-2020 school year.

TI-nSpire CX II (white, center) – Improvements from the CX include faster processor, better battery life, improved graphing capabilities and visuals. **RECOMMENDATION FOR HIGH SCHOOL STUDENTS**

TI-nSpire CX II CAS (black, right) – Includes Computer Algebra System which has uses in Calculus and beyond. NOT PERMITTED ON ACT TEST. Some advanced CAS features will be required to be disabled on assessments.



BE SURE TO KEEP YOUR STUDENT SOFTWARE ACTIVATION CODE!

Some high school courses will require the use of the online student software.



Please save the TI-Technology Points on the package and give them to your teacher!

Do not purchase:

TI-nSpire Clickpad



TI-nSpire CAS



TI-nSpire Touchpad

