



Covenant Mathematics Department

$$e^{i\pi} + 1 = 0$$



Dear Parent,

We want your children to thrive in school and succeed in their studies both here at Covenant Christian High School and in their further education. We believe students must become comfortable with technology because it offers them a means to explore problem solving, concept development, pattern recognition, data analysis, and numerous other key skills that can help keep students excited about and interested in learning.

However, we also recognize that using technology in the classroom is not a substitute for mastery of basic skills. Indeed, we stress building every student's fundamental skills in mathematics, science, and other core subjects. Therefore we will test accordingly.

We firmly believe using handheld technology in the classroom gives our students a way to explore ideas and visualize concepts in greater depth than ever before. This technology can be in math and science classes, as well as in other subjects for study and review. The TI-84 family will be used in our Algebra classes (the TI-83 is part of this family). The **Calculus** classes will take advantage of the **TI-89 Titanium** as a teaching tool. Used appropriately, this graphing technology can help lead to better comprehension and mastery of concepts and their real-world applications. This kind of learning is critical to ongoing success as your child grows and develops academically. For these reasons, an increasing number of classes require handheld technology, and it is being incorporated into more and more textbooks.

We encourage each student if possible to have his or her own personal calculator. Here are some of the benefits we see in each child owning a calculator:

- With a personal calculator, your child will be able to continue exploring concepts after class, at his or her own pace, and do homework the same way it is taught in class.
- A calculator is a more affordable and convenient form of technology than a personal computer. And a calculator is portable, so your child can have it available anytime, anywhere he or she needs it.
- Like a personal computer, TI calculators with Flash technology are upgradable, providing long-term value and extending your investment over several school courses.
- Many standardized and college admissions tests approve the use of calculators, including most TI graphing calculators. In fact, several college placement tests *require* the use of a graphing calculator.
- Your individual purchase can help our school acquire free technology. Purchase a TI calculator at a retail store or on-line, save the proof of purchase, and help our school get free educational technology and teaching materials.



We want your child to succeed. That's why we believe using handheld technology is an important component of our educational program. If you have any questions about the curriculum or technology used in our classrooms, please feel free to contact us. We can get together to talk about your child's individual needs.

Best regards,

A handwritten signature in black ink.

Sean Bird

seanbird@covenantchristian.org

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