FACT SHEET

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Frequently Asked Questions

Q. What does Fourier do? How long has the company been around?

A. Established in 1989 and based in Israel, Fourier Systems is a worldwide innovator of 1:1 computing solutions and compact, portable data logging devices and accessories for the education market. The Fourier data loggers and science kits are elevating the standard of education in science and math classrooms in more than 40 countries worldwide, including the United States.

Q. What are some of the products that Fourier offers?

A. Fourier is best known for its pocket-sized data loggers for the science classroom, but the company also offers software, probes, curriculum packs, and accessories that allow schools to create a complete science lab – without the need for traditional, expensive measuring equipment. The company's Nova5000 is a breakthrough in the student computing solution market, incorporating a built-in data logger and bridging the gap between laptops and handheld solutions. Produced in over 10 languages and reaching classrooms across the globe, Fourier products dominate some of the computer-based scientific educational markets worldwide.

Q. What grade levels are the Fourier data loggers designed for?

A. Many of the company's most popular data collection products, including EcoLogXL and MicroLog, are designed for grades K-7. However, several additional products – such as MultiLogPRO, Weather Station and TriLink – are geared to the needs of high school and university-level students. The Nova5000 is most appropriate for students who have begun computing on a daily basis.

Q. What sets the Fourier data loggers apart from other such devices?

A. Teachers in 40 different countries with a range of curriculum requirements are using the company's science kits to meet their specific curriculum requirements.

Fourier allows educators to create a complete lab, customized for their individual needs, without having to purchase or configure any expensive equipment. In addition, Fourier data loggers are known for combining the latest innovative technologies with an easy-to-learn design.

Q. Why are data loggers important in the science classroom?

A. Because modern data loggers are highly mobile, students are free to take learning beyond the classroom walls. Instead of having to log their experiment data manually, students can instead focus on analyzing their findings, allowing for an immediate connection between the experiment results and the scientific concept being studied.

Q. What kinds of experiments are made possible by using Fourier data loggers?

A. Using the built-in data logger sensors and the variety of external sensors offered by Fourier, students can conduct almost any experiment in Biology, Physics, Chemistry or Environmental Science. Because experiments can be conducted in the lab or outdoors, students can study scientific phenomena including photosynthesis, fermentation, meteorology, animal behavior, the green house effect, light, sound, energy, magnetism, gravity, and much more.

Q. How does using data loggers improve science achievement?

A. The company's handheld data-logging devices give students immediate feedback by presenting data graphically in a manner that students can learn to interpret almost instantly. Researchers believe that even a few seconds delay in the conclusion of the physical event and the graph display can make a difference in the students' ability to link the graph with the physical concept.

Q. What kind of research supports Fourier products?

A. According to *Mathematics Teacher*, data-collection devices help students connect graphs with scientific concepts, and in turn, scientific concepts to events in the real world. Research in the field of data logging indicates that conducting repeated activities with these devices can improve students' understanding about physical phenomena. More extensive information about this research can be provided upon request.

Detailed information about the capabilities of the Nova5000, Fourier data loggers and the Fourier curriculum, bundles, and tailored systems is available at www.fourier-sys.com.

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