



ELMHURST  
COMMUNITY UNIT SCHOOL DISTRICT 205

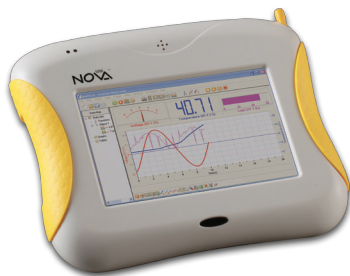
## Success Story

### Customer Name:

- Elmhurst Community Unit School District 205, Illinois, USA

### Customer Needs Met:

- Adoption of a STEM technology component to bundle existing science, math and engineering curriculum into one cohesive application
- Solution requirements achieved:
  - Unique device for math and science classrooms
  - PC-like familiarity
  - Produce Office compatible lab reports
  - Bundled with labs that seamlessly integrate into existing curriculum



### Fourier Education Products:

- NOVA5000
- MultiLab Software
- Sensor and Curriculum packs for Biology, Chemistry, Physics, Math and Middle School

### Elmhurst Community Unit School District 205

Elmhurst Community Unit School District 205 currently serves more than 8,000 students who reside primarily in the City of Elmhurst, Illinois (USA) and small portions of neighboring Oak Brook, Bensenville and Addison. At present, District 205 maintains 8 elementary schools, 3 middle schools and one high school and one Early Childhood Education Center.

### District 205's Challenge

In 2011, District 205 underwent a process to reevaluate its curriculum to ensure that they are offering a thorough, rigorous and integrated approach to the STEM basics. The first step was to review the activities currently used in lessons and identify how they are STEM focused.

In order to ensure that the District is providing the foundation of STEM that will be important in the future, it decided to align the STEM curriculum with the National Educational Technology Standards (NETS), which defines 6 critical skill areas for students:

- Creativity and Innovation
- Communication and Collaboration
- Research and Information Fluency
- Critical Thinking, Problem Solving and Decision Making
- Digital Citizenship
- Technology Operations and Concepts

A high-performing district, Elmhurst 205 has always had a strong math and science program in its middle schools and after incorporating engineering design into its labs, the District sought a technology component to pull science, math and engineering together into one cohesive application.

---

"The NOVA5000 helps mathematical concepts come alive!"

Heather Bolur, Bryan Middle School Math Teacher

---

## The Fourier Education Solution

In 2012, Fourier Education's NOVA5000 computerized science lab was chosen to be the "T" in the District's STEM curriculum. The NOVA5000 answered three key requirements for adoption by the District:

- The NOVA5000 data logger is uniquely suited to both the math and science classroom
- The NOVA5000 is bundled with labs that can be seamlessly integrated into pre-existing labs
- During implementation Fourier Education provided dedicated and invaluable support for the District.

Elmhurst Community Unit School District 205 introduced Fourier Education's NOVA5000 Data Logger, MultiLab Data Analysis Software, sensors and curriculum books at each of the District's three middle schools, enabling students to conduct research, analyze data, and problem-solve in a more hands-on, realistic manner. As District 205 Foundation is an independent, not-for-profit corporation that supports the district's efforts to enhance inquiry-based science and math labs, it has raised funds to add NOVA5000 devices to additional science and math classes.

## NOVA5000 - A Portable Computerized Science Lab

The NOVA5000 is a portable computerized data logging science lab with a 7" touch screen. Hundreds of scientific activities can be performed when the NOVA5000 is utilized together with Fourier's over 65 sensors and MultiLab software. Direct printing capability, multimedia synchronized recording of video and data from the sensors, interactive periodic table and simulation of scientific experiments are just some of the NOVA5000's unique features.

## MultiLab Data Analysis Software

With MultiLab, students can collect and view data from multiple sensors simultaneously, analyze the data and then present the results in a number of formats including: graphs, meters and tables. MultiLab also provides students with the ability to analyze their data with sophisticated analysis tools such as curve fitting, statistics, and both integral and derivative, using analysis wizards.

---

"I like that the NOVA5000 makes collecting data more visual and allows students to analyze the data in a real-life context."

Lauren Cochran, Churchville Middle School Math Teacher

---

---

"Our expectation for the introduction of NOVA5000 devices into our curriculum is that they will help make science and math come alive for our students, that the subject matter and the process of discovery will be in our students' hands and minds and will no longer be confined to the pages of a text book."

Jim Collins, President, Board of Education  
Elmhurst Community Unit School District 205

---



## Fourier Education

Info@fourierEdu.com • www.FourierEdu.com

Israel  
16 Hamelacha St.  
POB 11681,  
Rosh Ha'ayin 48091  
Tel: +972-3-901-4849  
Fax: +972-3-901-4999

USA  
8940 W. 192nd St.  
Unit I  
Mokena, IL 60448  
Tel: (877) 266-4066

© 2013 Fourier Systems Ltd.

All rights reserved. Fourier Systems Ltd. logos and all other Fourier product or service names are registered trademarks or trademarks of Fourier Systems. All other registered trademarks or trademarks belong to their respective companies.

Brochure P/N: BK251

