



Program Concept

- Teaches high school students how medicines are made, from discovery to market
- Centers around a fictitious disease, High School Syndrome (HSS)
- Takes students through the search for a cure
- Includes a story that supports the lessons and chronicles HSS-related developments that occur outside the students' R&D lab
- Most pilot schools have access to a local pharmaceutical company for dialogue and outreach

Pilot Program Overview

Pilot edition contains eleven core lessons

Total teaching time approximately 3 weeks

Opportunities for integrated teaching across subjects

Uses Teacher Guide, Student Guides and Lab Kit

Developed by educators and industry experts

Reviewed by independent educators and scientists

Pilot program underway in 30+ schools across six states

Use a Real-World Platform to Build 21st Century Learning Skills Into Your Classroom

Current education reform focuses on updating our public education system from an industrial-age model to an information-age model, where core subject knowledge intertwines with interdisciplinary themes such as global awareness, business literacy, civic literacy and health literacy.

The R_xeSEARCH Program was created in the spirit of the 21st Century Learning model, where classroom learning has a real-world context that promotes the development of creativity, problem-solving, and collaboration using an interdisciplinary approach with strong ties to career and life skills.

Upgrade to Professional Development 2.0

Teachers who participate in the R_xeSEARCH pilot program can access comprehensive training that focuses on pharmaceutical R&D and “in-the-trenches” teaching techniques that represent current best practices in pedagogy. Workshop participants use the curriculum materials under the guidance of classroom teachers who have taught the R_xeSEARCH lessons, many of whom have prior industry experience and advanced degrees in the sciences.

Choose the Implementation Style that Fits Your School's Current Needs

- Mini-unit within a traditional course
- Extracurricular activity
- Post-AP exams
- Summer science enrichment





PILOT PROGRAM TESTIMONIALS



I really appreciate that the drug companies put so much time and effort into the development of a cure, but what worries me is that a critical disease will be put aside for something that has more profit.

Kathryn Forsyth
Former Student
Montgomery High School
Skillman, NJ

As ethical as [R&D] is, people should understand it is an industry or business. [Pharma] offers many jobs on different levels and in different fields.

Mike Leach
Former Student
Montgomery High School
Skillman, NJ

“This class has more to offer than others. We have more advanced **discussions** and more **hands-on experience**.”

Christian Larrabee, student
East Syracuse-Minoa High School
East Syracuse, NY

I like the program because it is a complete, coherent unit on a very relevant and interesting topic that is easy for the students to understand. I can teach it at any point during the year and there is always some current event that relates directly to some portion of the unit— which gets the students all excited!

Carrie Palange, Biology Teacher
Mark T. Sheehan High School
Leominster, MA

New York has a series of required laboratory activities for every student in the state. The R_xeSEARCH Program enhances our laboratory curriculum, and provides a meaningful context for the lab activities we are already required to teach students. Since these activities are required for successful achievement of a major statewide assessment (NYSESED Regents Examination), time spent on this curriculum will enhance performance on a vital assessment tool.

Dr. Robert L. Marraccino
Coordinator of Career and Technical Education (CTE)
New York City Department of Education
Tottenville High School

Students became very engaged with the lessons. I tied Lesson 2 to the existing materials I use to teach about enzymes—this lesson in particular got students saying, “Now I understand why we learned about...”

David Angwenyi, Biology Teacher
Hopewell Valley Central High School
Hopewell, NJ

For more information, contact
Patricia Powell
R_xeSEARCH Program Coordinator
PowellP@si.edu

