think science
Like many innovative technology companies of the time, PASCO Scientific was founded in 1964 with a good idea and some open space in the family garage. It started as a school science project, so inquiry-based science is in our DNA.
Founder Paul Stokstad built a Millikan Oil Drop Apparatus for a science fair and grew it into a company focused on inquiry-based learning, eventually becoming the global leader in 21st century science education.
With a focus on creating quality products that allow teachers and students to spend more time on data analysis and less time on setup, our team of teachers, educational researchers, and engineers is committed to the advancement of **Science**, **Technology**, **Engineering**, and **Math** (STEM) education.
Why Scientific Literacy Matters

When students take part in an authentic science experience using the technology and tools that scientists use, they understand the thrill of discovery and are better prepared for science literacy. A scientifically literate society is critical for nations to compete in a global marketplace and is an economic driver that enhances the lives of all citizens.

Education leaders around the world seek to transform their science programs to support the growth of a knowledge-based economy, and PASCO is there to help. Developing students’ scientific literacy is a key step toward raising the standard of living and prepares students to compete on a global scale. When students learn how to do science, and not just memorize facts, they develop competencies that help prepare them for job opportunities and participate in challenges that face all nations.

Countries around the world need scientifically literate citizens ready to engage and tackle the most pressing challenges of our age, including water, energy and climate change.
Countries around the world are racing to modernize their nations and prepare their people to compete on a global level. The key to their success lies in creating generations of educated citizens and skilled workers to drive economic development. It is through scientific literacy and with strong information, communication, and technology (ICT) skills that students can unlock opportunities on a global level.

For countries transforming education, some of the concerns they face include: How do we jump from an antiquated system to a 21st century one? How do we prepare our educators to teach in a manner that is different from their own learning experience? How do we set standards and create curriculum? How do we find reliable industry partners to help us achieve success with this transformation?

How do we prepare our youth for jobs that don’t exist today?
Choose PASCO

PASCO shares in the responsibility to transform science education to further your social and economic development goals. We want to develop students’ ability to not only know where to find the answers, but to know which questions to ask. We want them to understand scientific concepts and issues, so they can engage in conversations, arguments, and decision-making. We want students to have the right technology and tools, and that begins with PASCO.
5 Essential Building Blocks for Transforming Education

1 Vision
First there must be a vision of how education reform can lead the way in creating a knowledge-based economy. Kazakhstan redefined its educational system and established a goal of setting its people on a new path for the future by modernizing its schools, integrating technology into the teaching process, and creating a world-class education system. In 2007, PASCO was selected as a key partner to help develop the science program to propel its students into STEM success.

2 Sustained Leadership
The vision must be accompanied by sustained leadership for the transformation. The Shandong Province in China has a rich history with education and independent thinking dating back to Confucius. While the focus for student success is often placed on standardized test achievement, the Ministry of Education in the province realized that they needed to foster ingenuity by developing a student’s ability to problem solve—not just by memorizing an answer. By partnering with PASCO to design such a program, teachers in the province are now building a new generation of innovators and thinkers with a passion for science.

PASCO’s expertise in transforming and modernizing science education has helped nations build programs to prepare students for a rapidly globalizing world. Through our partnerships, we have helped Ministries of Education assemble these blocks to create sustainable change.
Professional Development

Classroom support is critical for a successful transformation. With customized professional development, PASCO delivers the guidance and support teachers need to create an inquiry-based learning environment. In Arequipa, Peru, the State President was determined to reform education and create opportunities that had never before been provided to local students. He relied on PASCO and our regional science partner, Bionet, to prepare teachers to better engage and educate students and prepare them for college. With the help of Bionet and PASCO, teachers received in-country professional development so they could lead an inquiry-based lesson with confidence.
4 Customized Content

The pedagogical transformation must also be supported with adaptable and localized content. When the city of Bergen, Norway, decided to strengthen their students’ science skills to better prepare them for STEM success and the competitive global job market, they partnered with PASCO and our regional science partner, Gammadata, to implement the project. Together PASCO and Gammadata worked with a local university to create electronic labs written in Norwegian and aligned to local standards to help meet their science and technology goals.

5 Technology

The last building block for transformation is technology. It’s an essential component of modernizing an education system—and yet many countries trying to transform education find that they do not have the infrastructure to support modern classrooms. Such was the case in Kazakhstan, where many of the schools that were part of the reform project existed as single-room schoolhouses without any technology. With PASCO’s help, the teachers received training as the infrastructure was being built around them. When the schoolhouse was ready, the teachers were ready to move forward with new technology and lessons.
Are you ready to transform science education?

Transforming an educational system is a daunting project — and yet it is widely agreed that it is the only way to truly transform an economy and a people to prepare them for global challenges and help them take advantage of global opportunities.

PASCO has successfully partnered with both developing and developed nations to tackle science education reform and is the partner of choice for education leaders around the world. Whether you’re working on modernizing classrooms, helping your teachers better prepare students for tomorrow’s opportunities, or providing inquiry-based science curriculum, PASCO looks forward to partnering with you to design and execute your project.
Empower teachers
with content knowledge, technological skills, and pedagogical strategies.

Today’s teachers are required to be more than subject matter, technology, or teaching experts. Effective technology integration to teach science requires understanding and negotiating the relationships between content, technology, and pedagogy. Our Teacher Professional Development program focuses on a balance between these components.
Teachers in Killeen ISD in Texas meet annually with members of PASCO’s Professional Development team to build content that leverages technology. Teachers develop confidence to move beyond the initial labs and integrate technology that expands their lessons—further developing their students’ ICT skills.

After seeing the success of students in Arequipa, neighboring states in Peru began to address their own education system in order to create an environment that prepared their students for opportunities that could improve their job outlook and reshape their state’s socioeconomic terrain.

PASCO can be your partner to sustain education transformation.

Pedagogical and curricular changes require a professional development plan that engages experts in the local standards and requirements. Our team brings a wealth of experience in science content and pedagogy to every professional development session. And they work with teachers to ensure they are prepared for an inquiry-based learning environment.
Creating global competency among today’s students and tomorrow’s leaders.
SOCIETY

- Increased comfort with technology
- A workforce ready to apply problem-solving and higher-order thinking skills
- Interest in science leads to more STEM graduates, careers, and a knowledge-based economy
- Greater ingenuity and innovation

EDUCATORS

- Focus on data analysis and not data collection
- Models industry in real-life settings for students
- Content, datalogging and assessment in one place
- Easier measurements
- Engaging and interactive learning environments
- Decrease in behavioral and truancy issues

STUDENTS

- Lifetime of curiosity, exploration and discovery
- Real-life experiences in hands-on environments
- Better understanding of the scientific process
- Increased engagement and understanding of scientific issues
- Students learn to act and think like real scientists
- Greater diversity of students engaged in science
- Opportunities for sharing data
- Develop analysis skills
## Powerful Tools for the Science Classroom

### Innovative and Intuitive Technology

Innovation is essential to our success. PASCO engineers, educators, and researchers work together to design products that leverage technology to keep the focus on learning. They examine the learning process and design tools to facilitate a better lab experience with hardware and software that is intuitive, easy to use, and durable.

### Compelling Content

PASCO empowers teachers with material that is as vibrant and compelling as the science they are teaching. Our inquiry-based lab activities allow students to apply scientific process to their learning—giving them an opportunity to question, investigate, collect and analyze data, and develop their higher-order thinking skills.

### Pedagogical Strategies

PASCO provides your teachers with the skills to integrate technology into their lessons and model an inquiry-based approach to teaching science. We help teachers create a learning environment where students drive the experiment, make predictions about how an event will unfold, and collect and analyze data to see how their predictions compare to actual results.
Every day, our team develops tools that work better and are more accurate than others on the market, while providing a good value. We know you have to do more with less, and our technology makes that possible. PASCO science solutions are compatible with your classroom environment and work on iPad®, Chromebook™, Android™ tablets, Mac® and Windows® computers, and netbooks. Our ability to adapt to the technology in any classroom environment makes PASCO Scientific an economical choice for your school.
Volunteering

Giving back to the community is one of our core values.

Whether volunteering at a shelter or organizing local campaigns for national organizations, we have always believed in investing in the community and helping those in need.

Over the years our efforts have grown to match the growth of the company, and in 2002 we established the PASCO Foundation. Through the PASCO Foundation, employees can make contributions to local charities with 100% of their dollars going directly to the organization. PASCO pays all of the Foundation’s administrative costs, so more money reaches organizations serving our community. Since 2002, PASCO employees have given over $700,000 to help people in need.

In addition to cash contributions, PASCO employees have found countless ways to give back to the community. Over the years, we’ve collected more than three tons of food for the River City Food Bank to help feed thousands of families in need. And the PASCO Relay for Life team walks every April to raise thousands of dollars for cancer research. Through our donations, our time, and our dedication, PASCO’s people make a difference in our community.
PASCO and the Environment

We have the honor of being in classrooms in more than 100 countries around the world. With that presence comes a global responsibility to be good stewards of the environment. We are continuously working to reduce our carbon footprint, and it begins with the practices in our California headquarters. We encourage our employees to “think green” in the office, and we regularly evaluate our manufacturing and distribution practices to identify ways to better serve our customers and protect our planet.

PASCO’s Green Team
The Green Team was established in 1998 and is responsible for continuous environmental improvement and recycling events at PASCO.

PASCO’s Environmental Policy
PASCO is committed to be in compliance with all laws and requirements in the countries in which our products are sold. PASCO continually seeks to minimize the impact that our manufacturing, distribution, and consumption practices make on the planet’s natural resources.

PASCO meets the highest quality standards. We have implemented a Quality Management System in accordance with ISO 9001:2008 certified by TÜV SÜD America Inc. Our products are assembled in our Roseville facility located in northern California.