Modernizing science education through local partners

ALECSO/ITU Smart Learning Forum
December 2015
Science is not memorizing facts
Science is not just about the past
Science is active learning
And relies on technology to advance
Sensors power modern science learning

Sensors enable us to measure and analyze almost anything about the world around us
Quick and accurate data anywhere
See the invisible

Phase change of an ice cube
See the invisible

Force of a collision
Opening new possibilities for K-12 education

Absorption analysis with wireless spectrometer
Significant benefits of sensor-based science

- Improve science learning
- Develop 21st century skills
- Engage and retain interest in STEM fields
- Support Sustainable Development Goals
Sensors are relevant

Already part of students' life

And part of students' future
on the job
solving global challenges
Now more accessible

simple • powerful • affordable • now wireless • on any Bluetooth Smart device—even phones
Enabling collaboration
Even global collaboration
Our science education should provide a critical framework for understanding the world because then we can work intelligently to improve it.
Sustainable Development Goals
Sustainable Development Goals

Evaluate efficiencies in energy production
Monitor water quality in local water sources

pH 6.7  DO 4.79  Temp 25.7
Large-scale project experience

China
Singapore
Mexico
Saudi Arabia
Morocco
Peru
Russia
Kazakhstan

And throughout the US
Driving transformational change

These powerful science tools make transformational change possible

But require a thoughtful program
  rethinking of pedagogy
  systemic professional development
  implementation planning and support
  ongoing support after implementation
Even great, innovative products are an incomplete solution without the local partner.
Global Presence, Local Partners

100+ countries
Critical value provided locally

Local partners
- sell and deliver
- localize content
- provide local language expert product support and service
- provide pedagogical support & professional development
- extend our solutions

Local ecosystem
- local university/school of education
- other local suppliers for complete “kit” solutions

Drives
- local economic growth
- local jobs
PASCO carefully selects partners and commits to:

- regular investment in training
- sales and marketing support
- localization support
- joint project development

We bring:

- benefits of global scale
- diverse project experience
- expertise in inquiry-based science and NGSS
- knowledge and skills transfer
UAE Example
Thank you

The global leader in 21st century science education

Mike Bridge
VP Market Development & Strategy