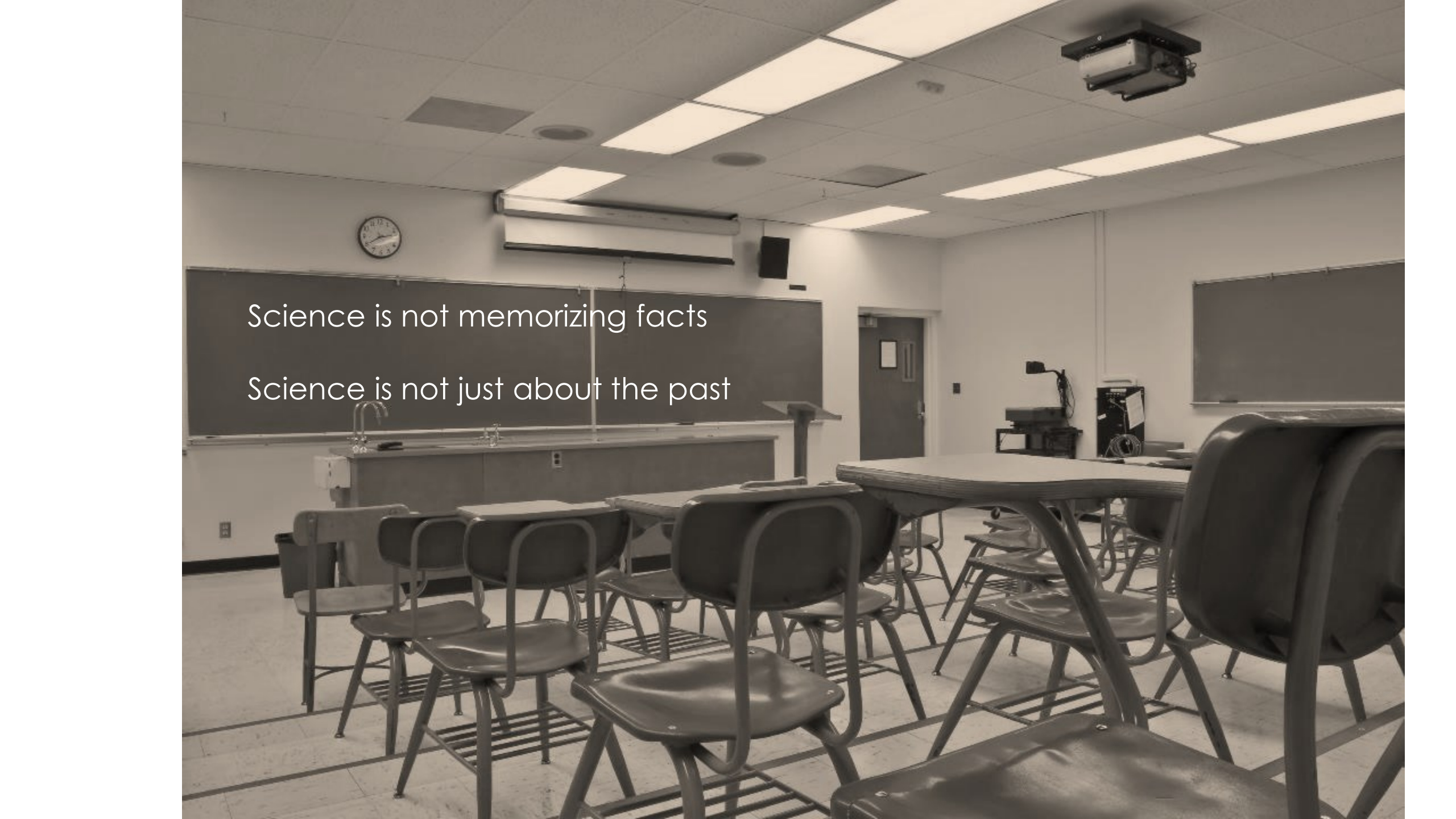


# Modernizing science education through local partners

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

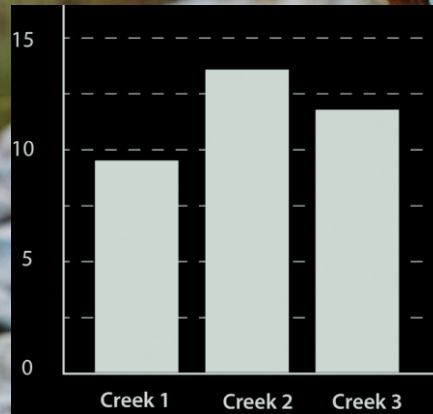
# Sensors power modern science learning



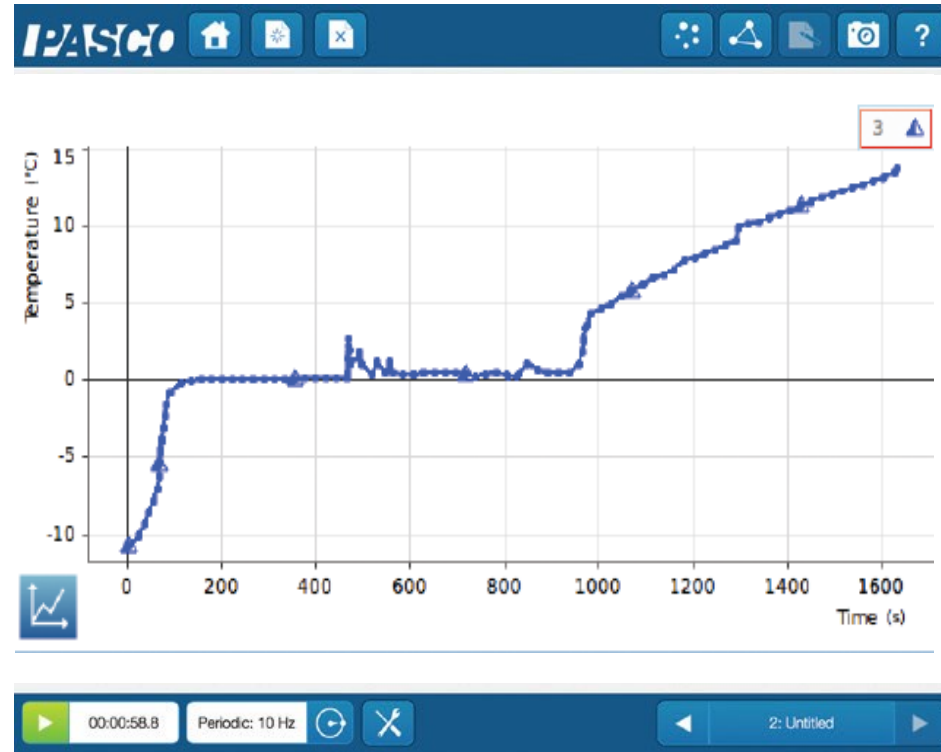
Sensors enable us to measure and analyze almost anything about the world around us

pH

Quick and accurate data  
anywhere



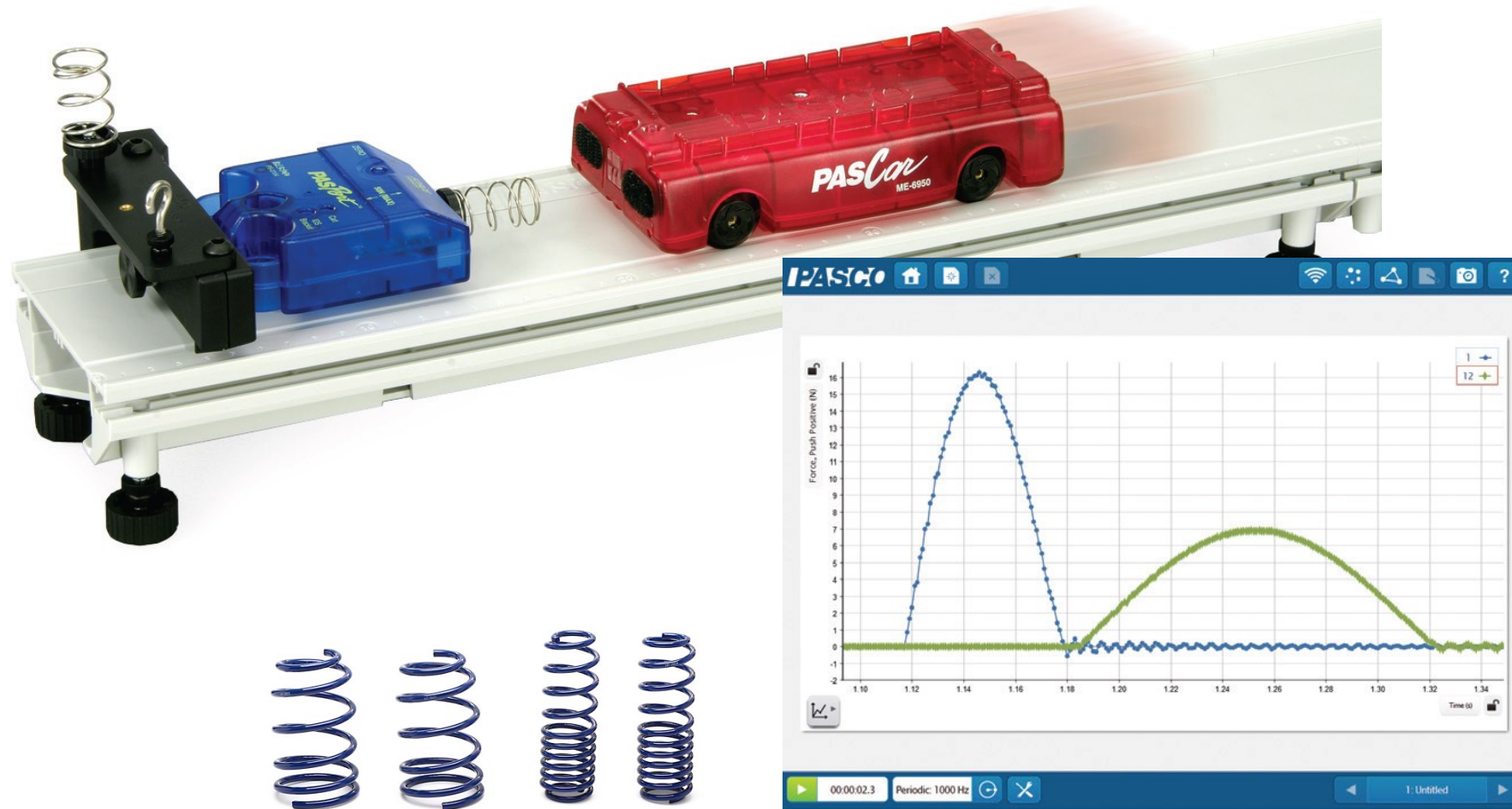
# See the invisible



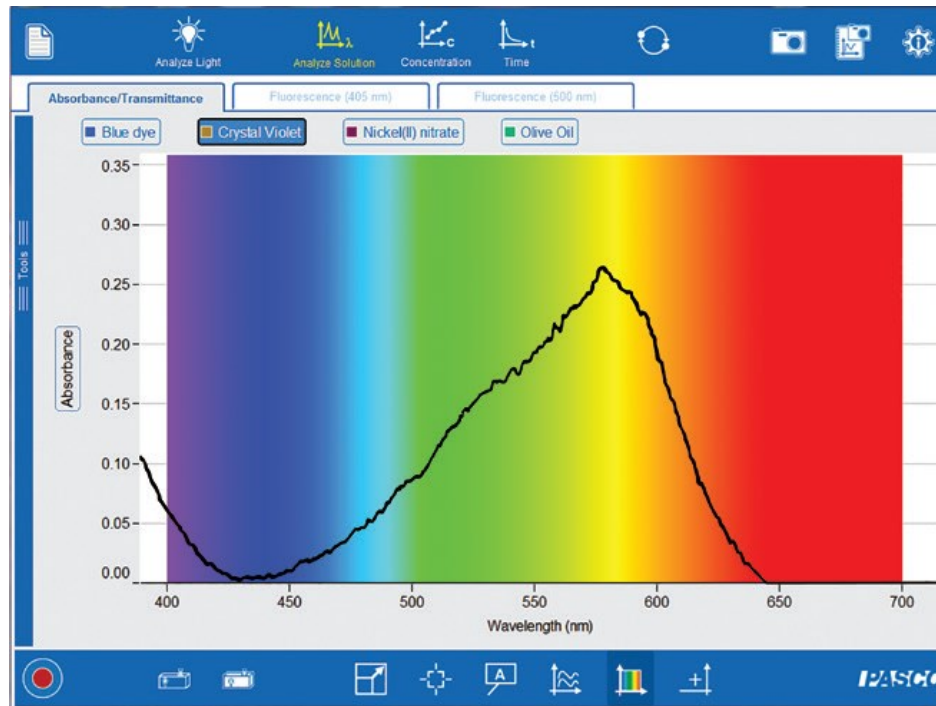
Phase change of an ice cube

# See the invisible

Force of a collision



# Opening new possibilities for K-12 education



Absorption analysis with wireless spectrometer



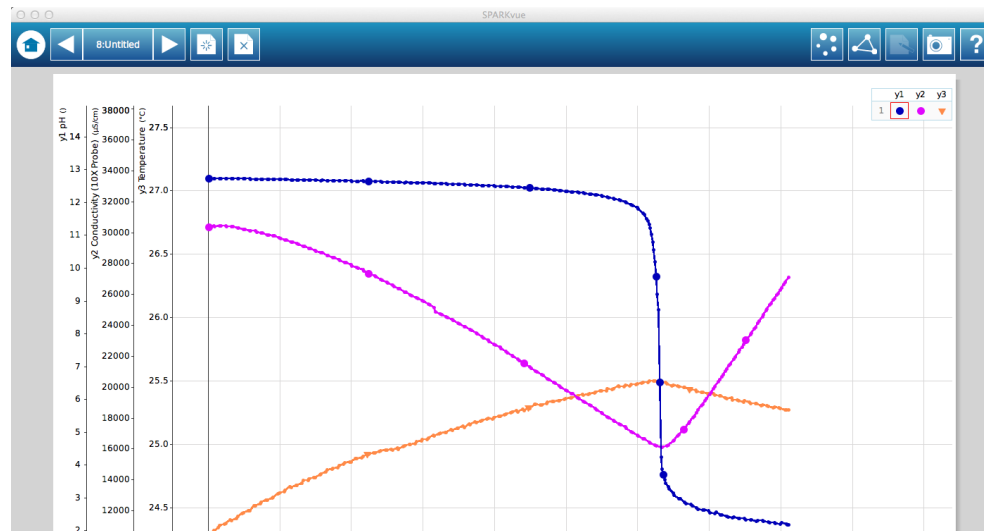
# Significant benefits of sensor-based science

Improve science learning

Develop 21<sup>st</sup> century skills

Engage and retain interest in STEM fields

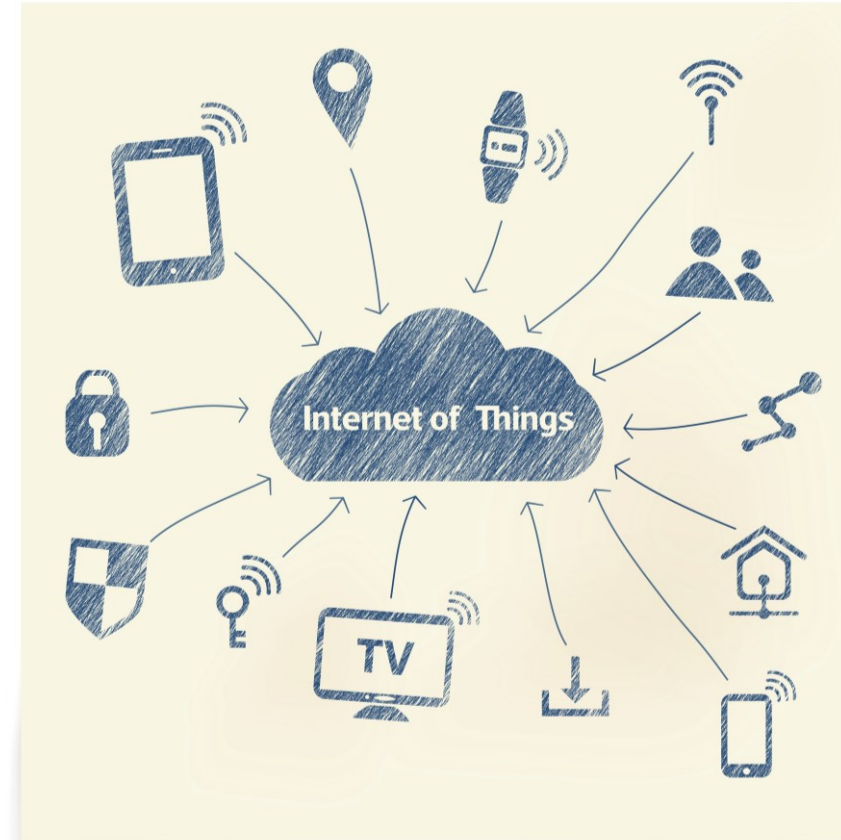
Support Sustainable Development Goals



# Sensors are relevant

Already part of students' life

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

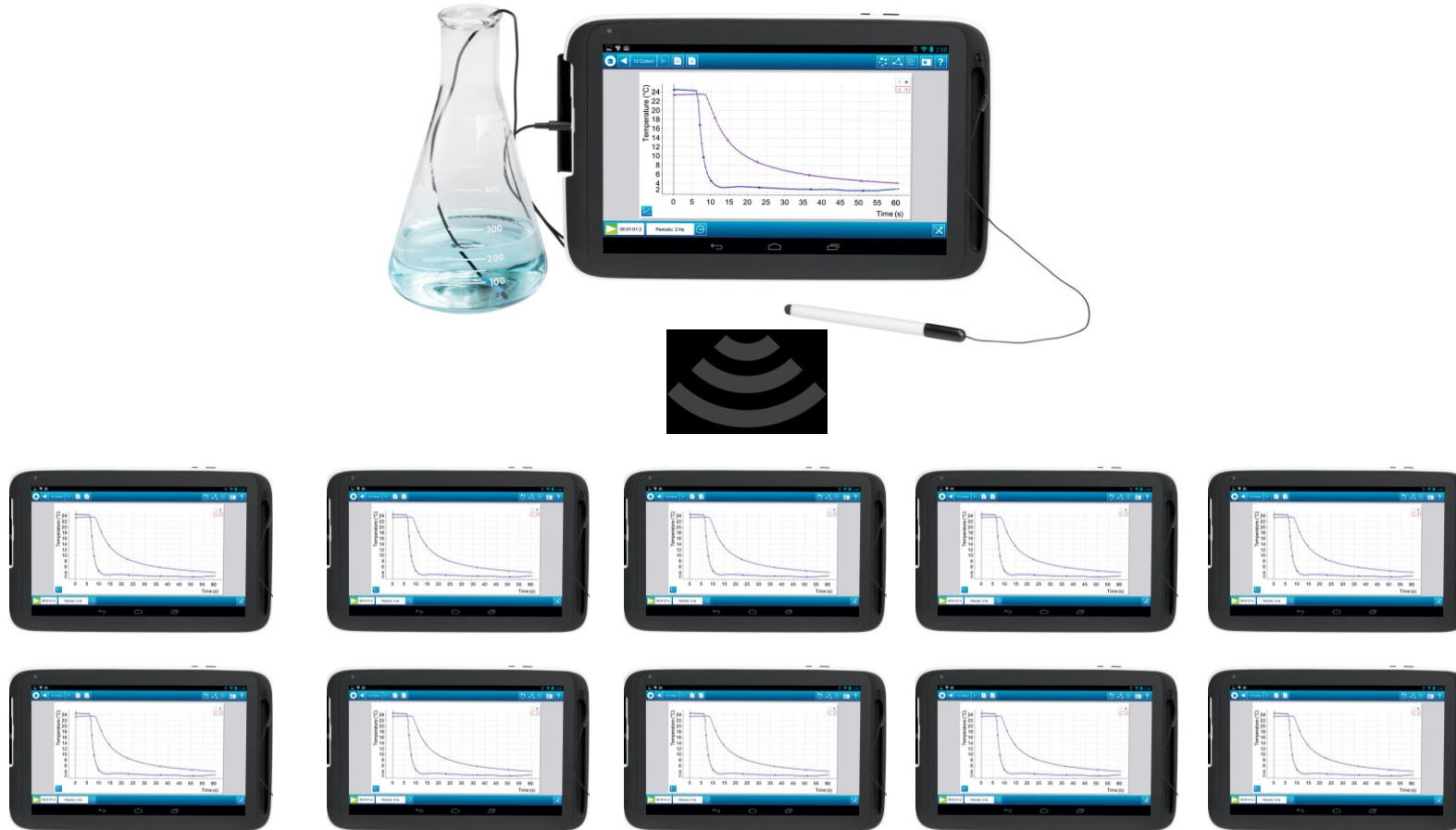


# Now more accessible



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

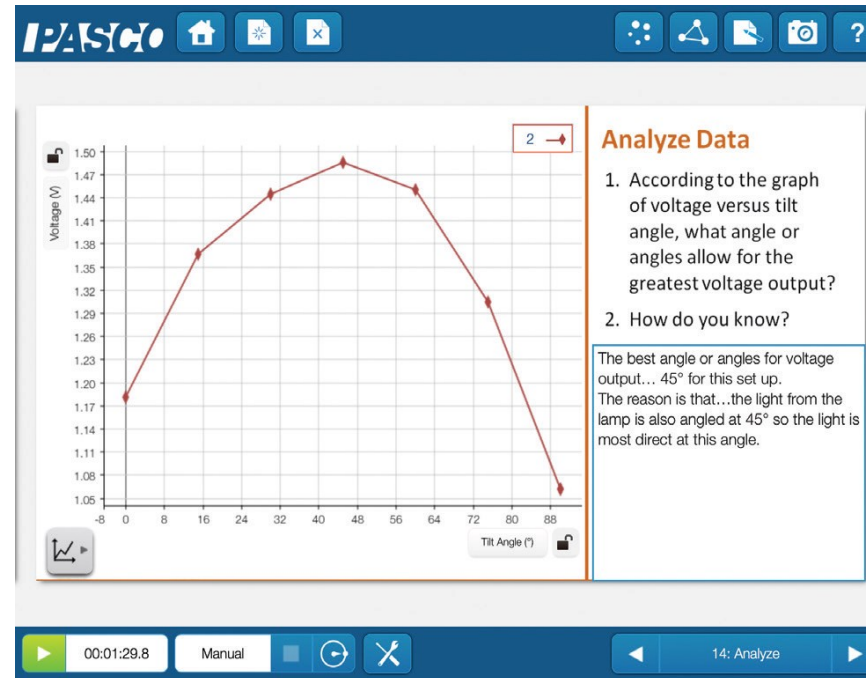
# Sustainable Development Goals



# Sustainable Development Goals

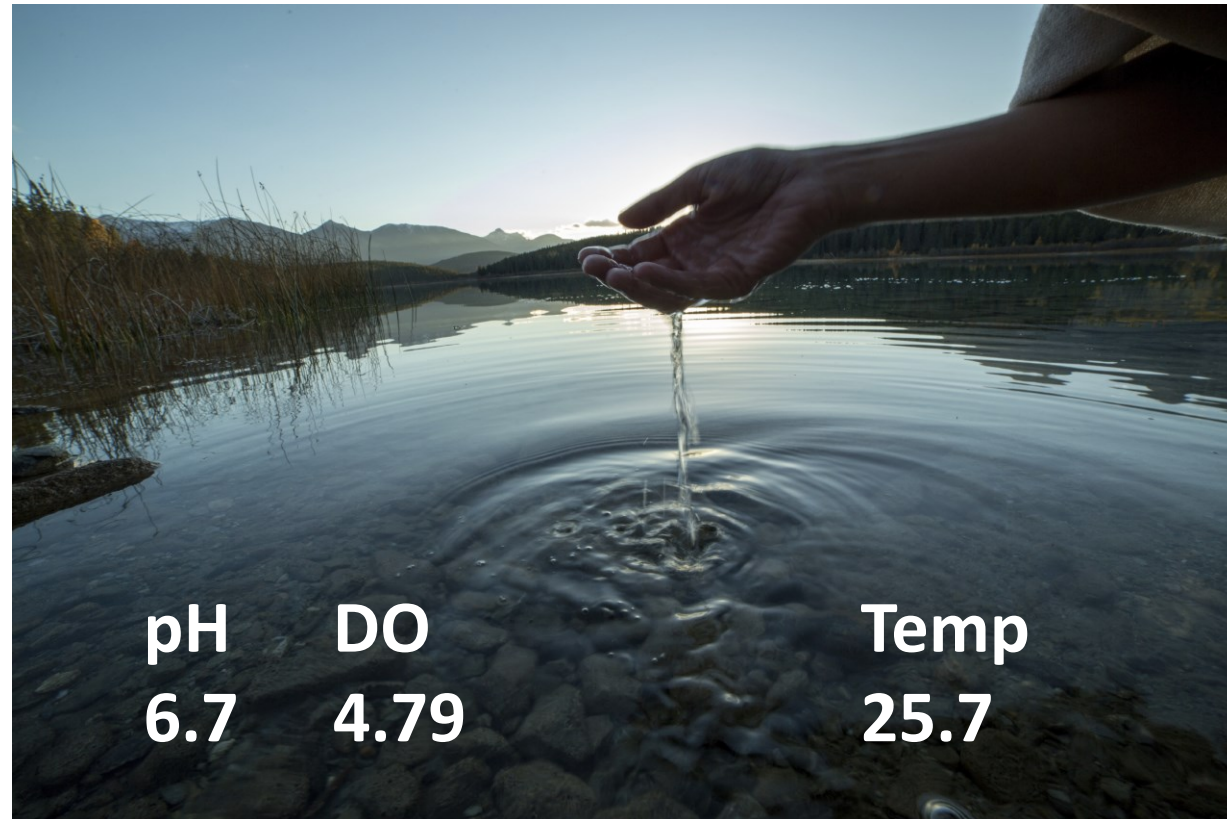


Evaluate efficiencies in energy production





# Sustainable Development Goals



pH  
6.7

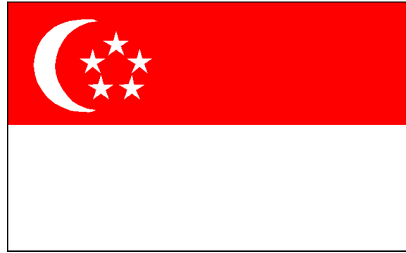
DO  
4.79

Temp  
25.7

Monitor water quality in local water sources



# 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



# 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 21<sup>st</sup> century science education

Mike Bridge  
VP Market Development & Strategy

