

Innovative Teaching and Learning MOVING FROM THEORY TO ACTION



October 2014





**“In the new world of work,
unemployment is high, yet
skilled and talented people
are in short supply”**

The Economist, Sept 2011

WHOLE SYSTEM RENEWAL

Education
System Change

School
Leadership
and Culture

Innovative
Teaching
Practices

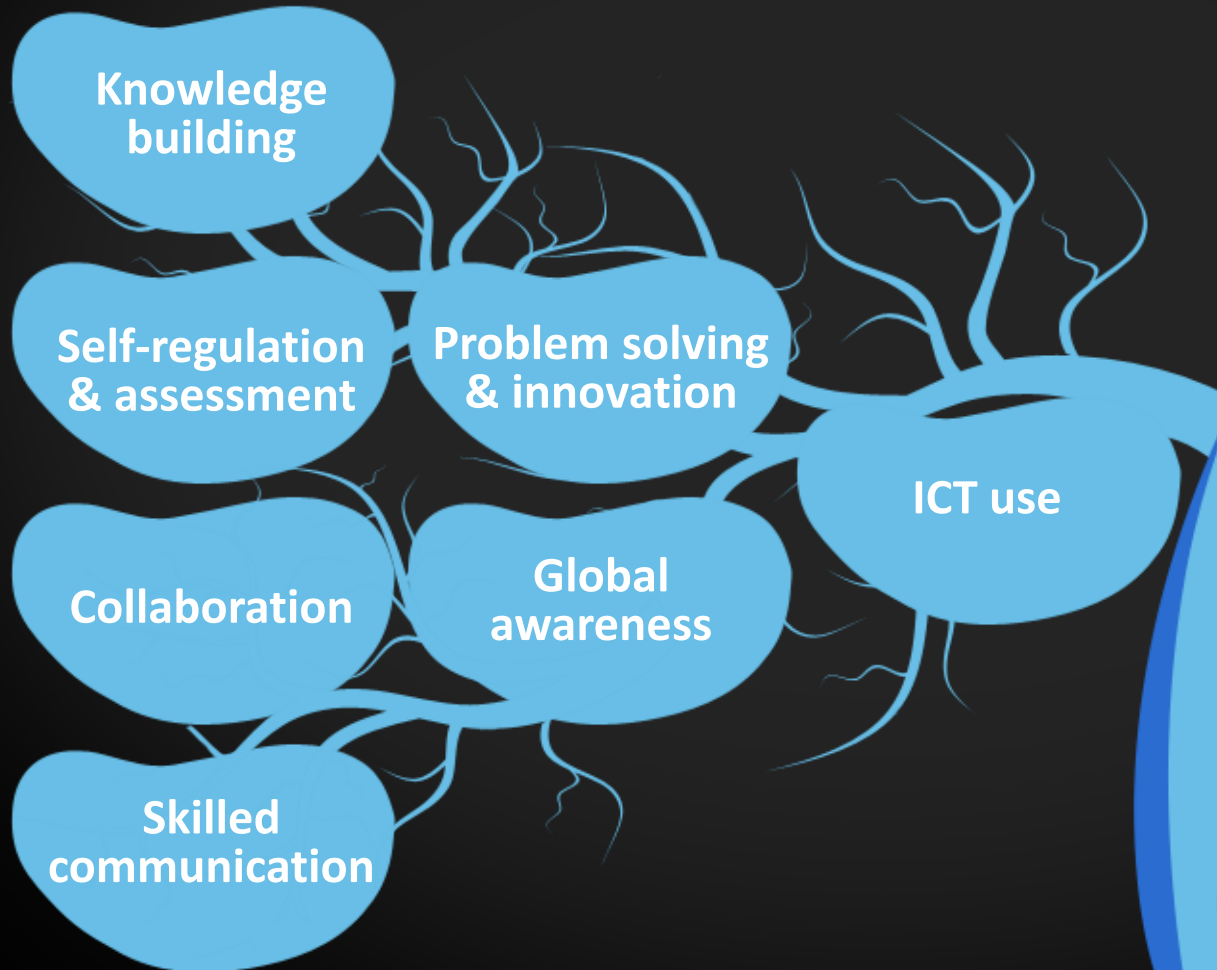
Individuals with
skills for life and
work today



ITL RESEARCH



SKILLS FOR LIFE AND WORK TODAY



WHAT ARE INNOVATIVE TEACHING PRACTICES?

Student Centered Pedagogies

Personalized
Collaborative
Knowledge building
Self-regulation

Extending Learning

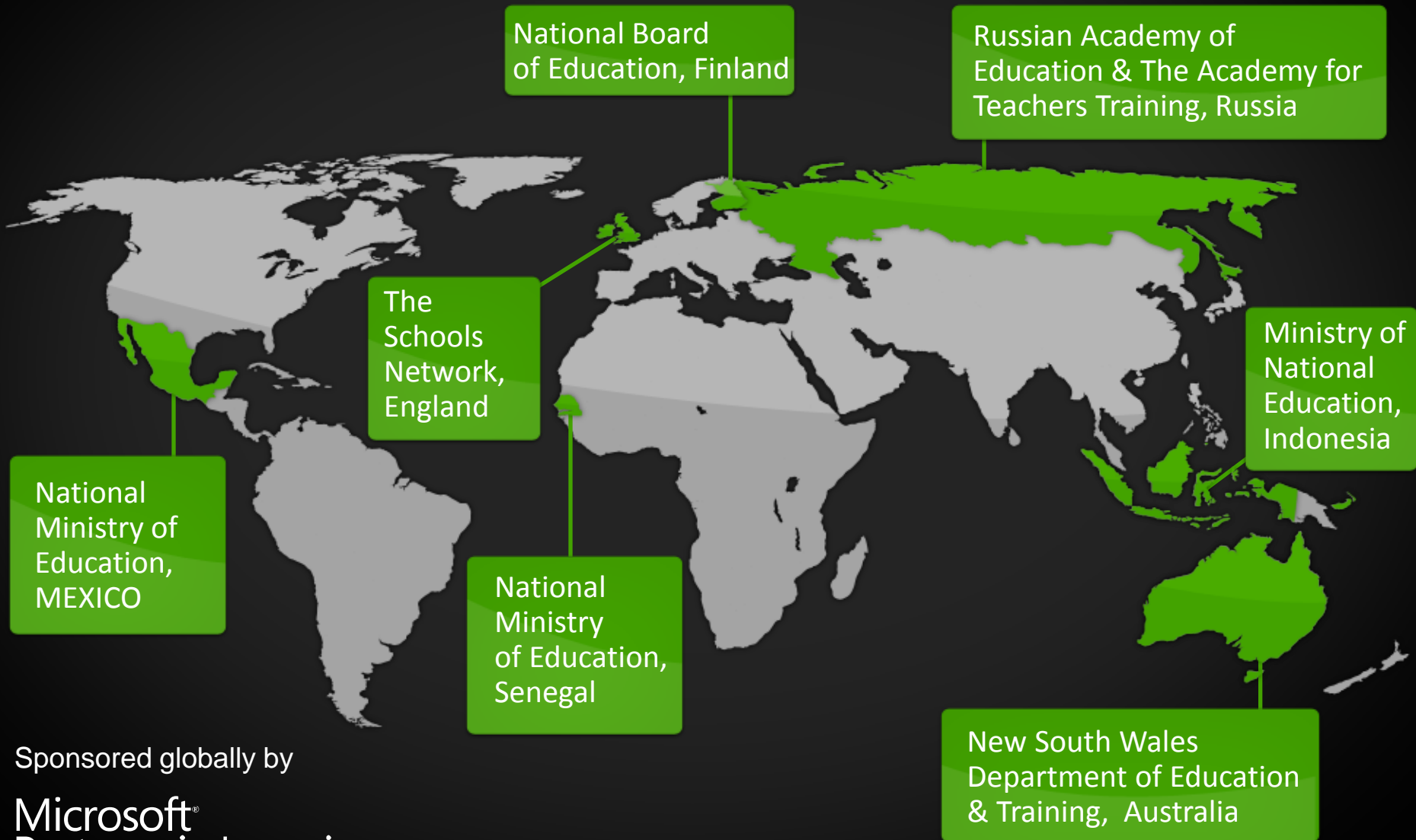
Problem Solving
24/7 learning
opportunities
Global and cultural
understanding

ICT Integration

By educators
By students
Basic usage vs.
Higher-level usage
(for knowledge
building and
creativity)

**7 COUNTRIES
PARTICIPATING IN ITL**

**45+ COUNTRIES
USING METHODS**



Sponsored globally by

Microsoft®
Partners in Learning

ITL RESEARCH

MIXED METHODS USED

Across

159 survey schools
24 site visit schools

Teacher & School
Leader Interviews

86 teachers
18 school leaders

Teacher & School
Leader Surveys

4,038 teachers
159 school leaders

Classroom
Observations

81 classrooms

Learning Activity
Analysis

967 learning activities

Student Work
Analysis

3,367 student work

Student Focus
Groups

33 focus groups

Education
System Change

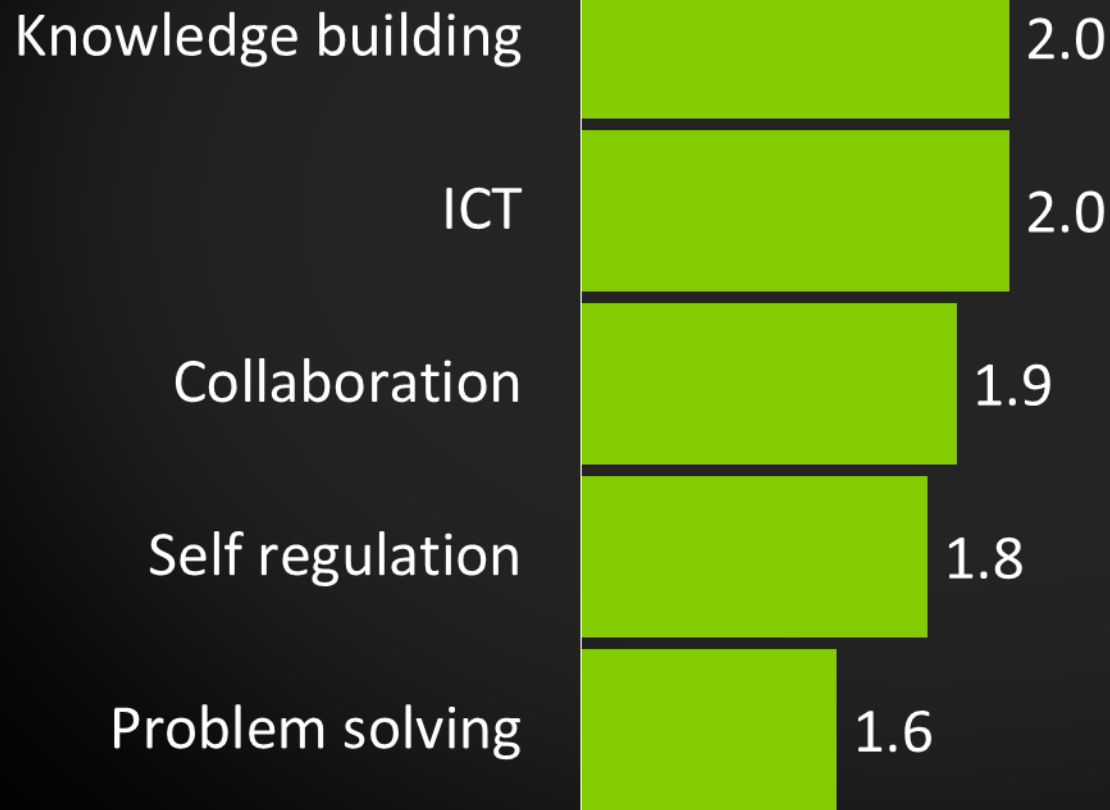
School
Leadership
and Culture

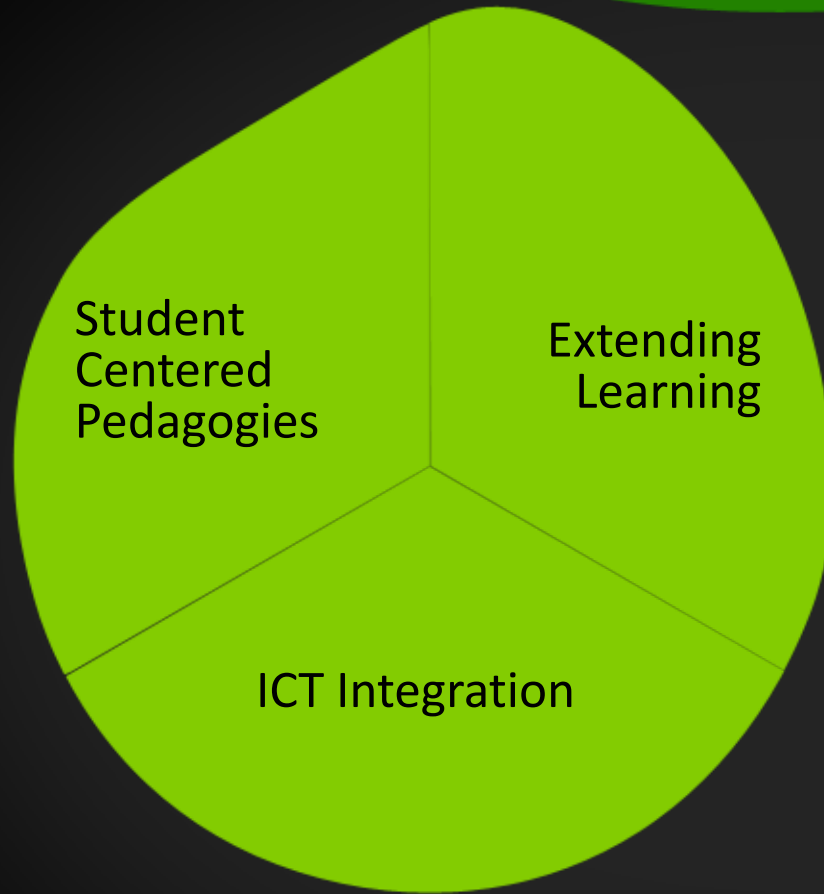
Innovative
Teaching
Practices



Methods Published at: www.itlresearch.com

LEARNING ACTIVITY SCORES



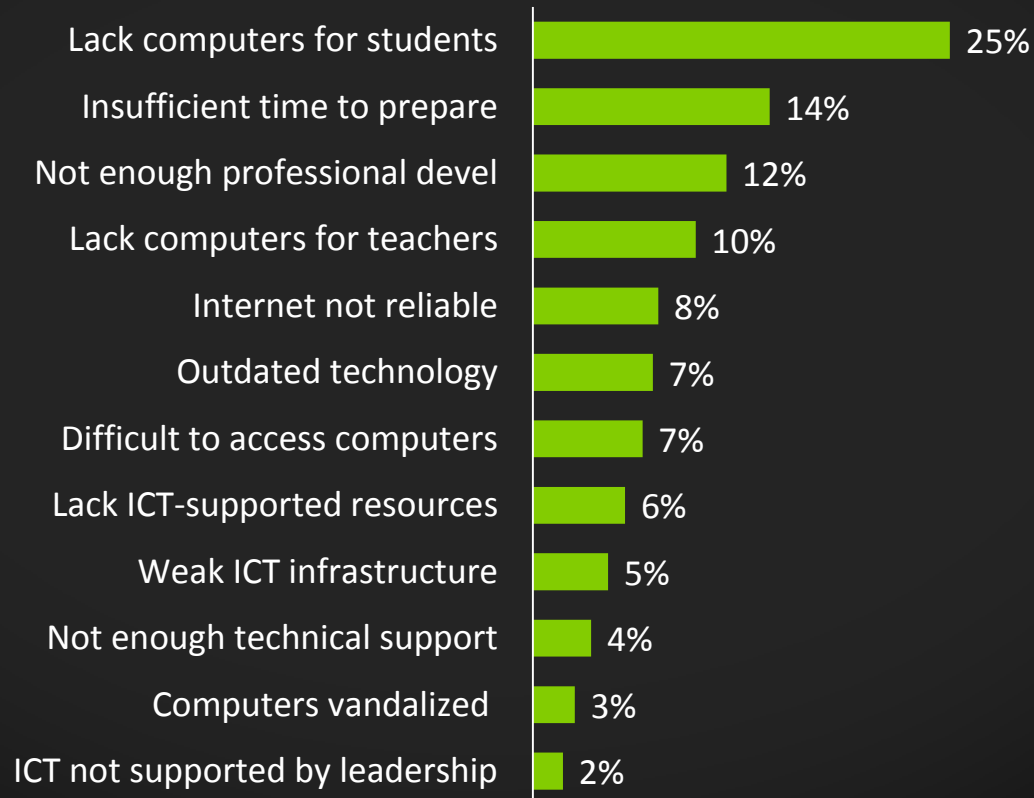


WHY NOT



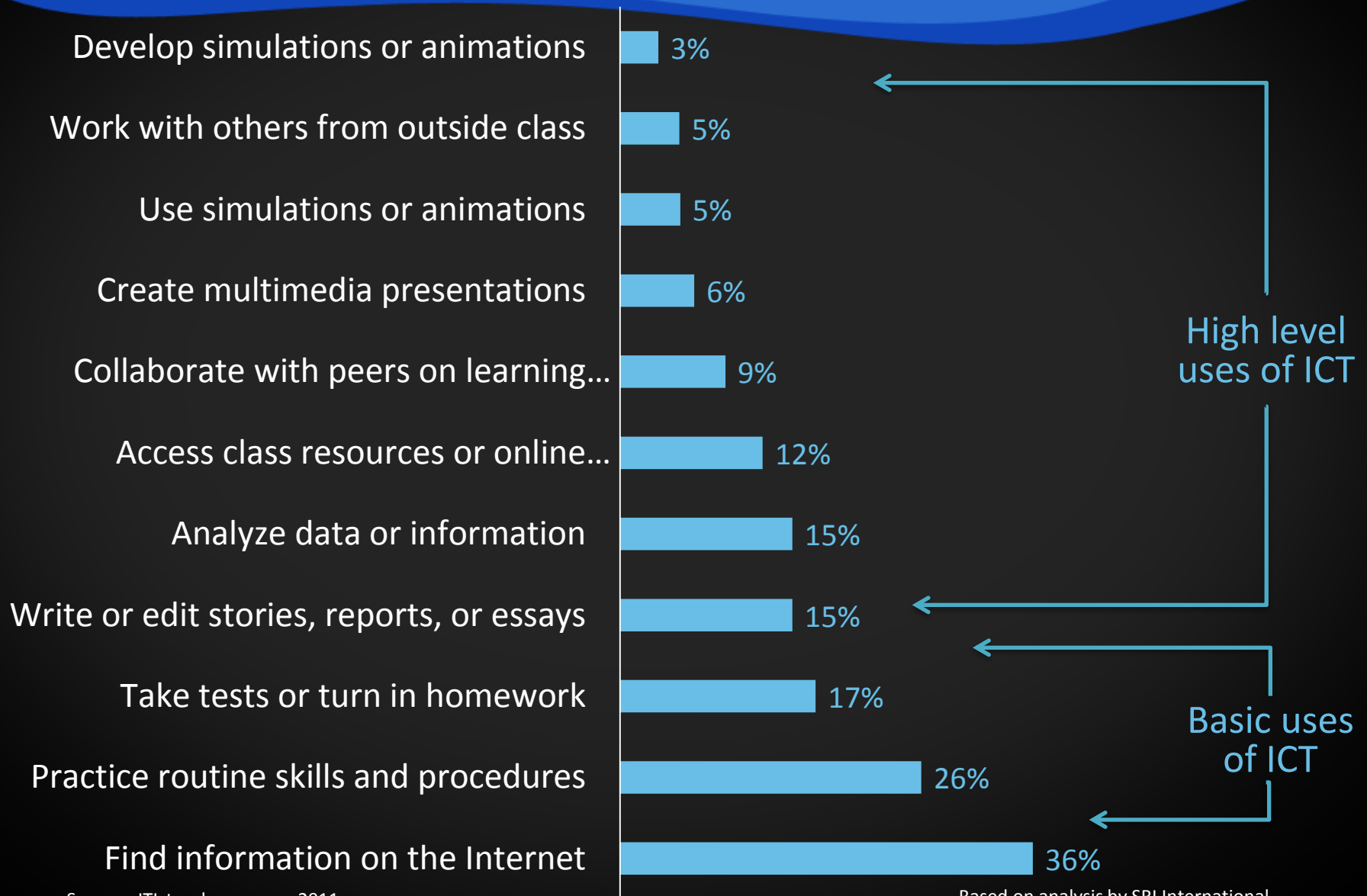
WHY IS ICT INTEGRATION HARD?

Teachers say ...



Percent Teachers Citing Most Significant Barrier

AND STUDENTS USE ICT...



**Fragmented
practices**

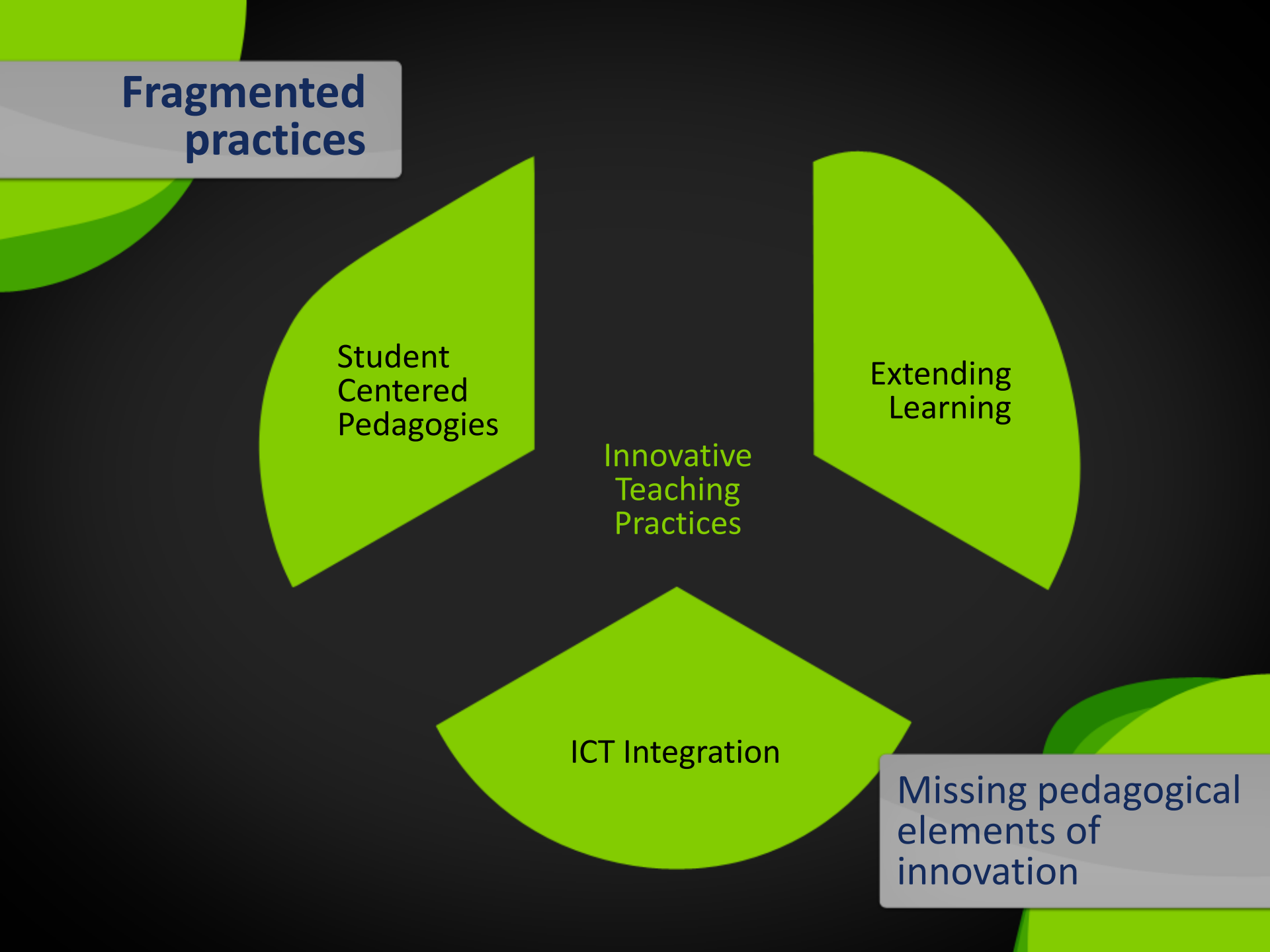
Student
Centered
Pedagogies

Innovative
Teaching
Practices

Extending
Learning

ICT Integration

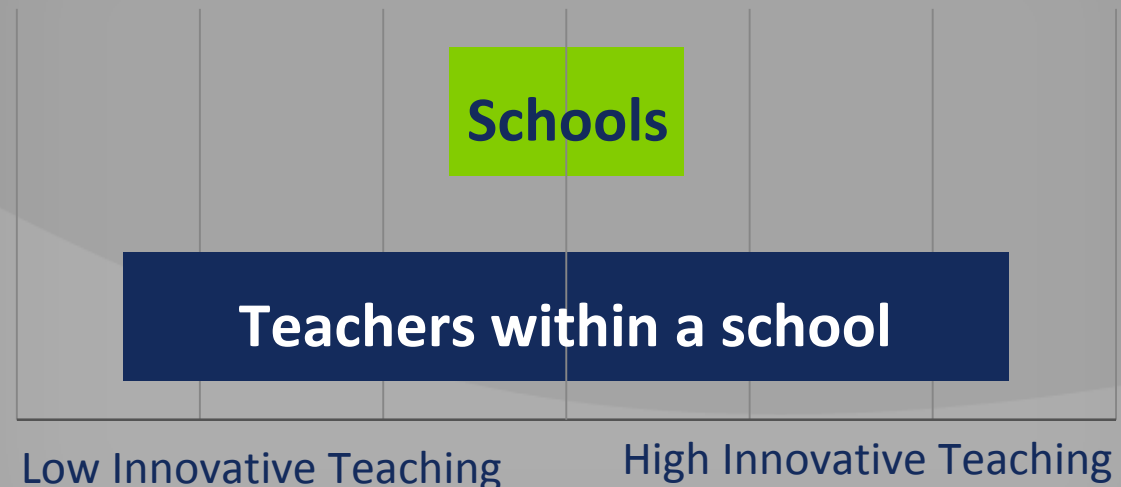
**Missing pedagogical
elements of
innovation**



“ We found innovative practices, rather than innovative schools ”

Mexico Report

Distribution of Innovative Teaching Scores

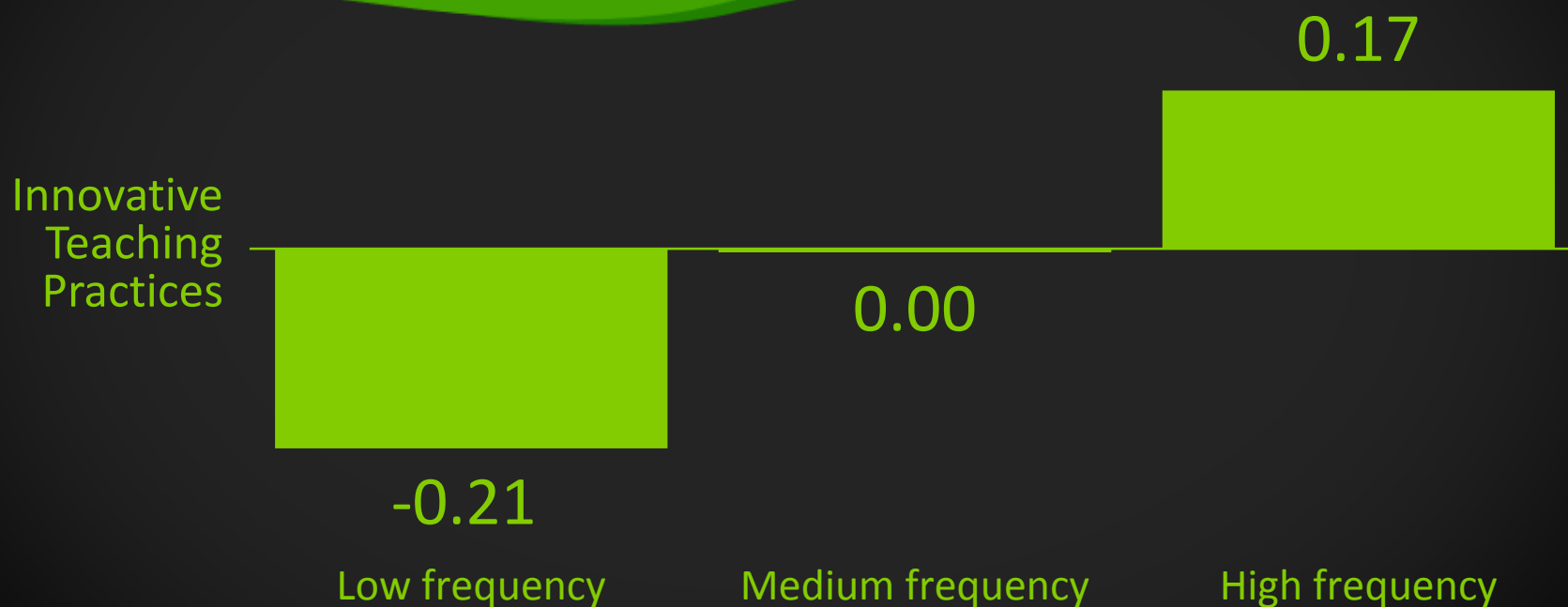


Source: teacher survey

Based on analysis by SRI International

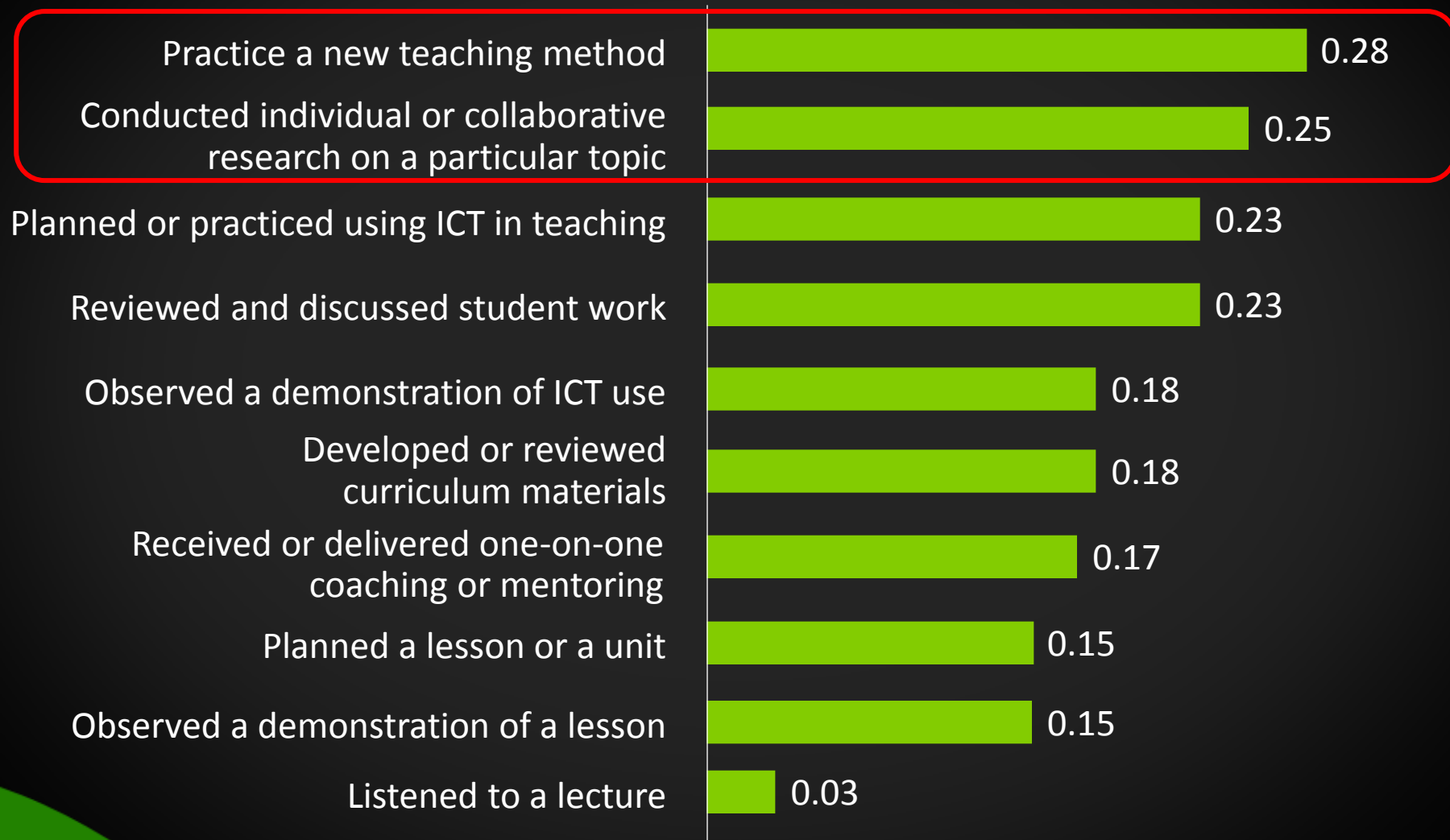
COLLABORATION

AND INNOVATIVE TEACHING PRACTICES



Collaboration about Teaching

PROFESSIONAL DEVELOPMENT AND INNOVATIVE TEACHING PRACTICES



SYSTEM DISCONNECTED FROM INNOVATIVE TEACHING PRACTICES

“My **success** is judged by examiners, by Ofsted, by parental choice... and what parents want, what children want is not necessarily what I would judge as innovation.”

School leader, England

“**Innovative practices** remain individual initiatives of motivated teachers. Being an innovative teacher has no direct and explicit impact on one’s career.”

Senegal ITL Report

Student
Assessments

School and
Teacher
Performance

Professional
Development



Connect Systems: Assessments and appraisals aligned with innovative teaching and learning goals

Cultivate innovation: Leaders who develop integrated and shared visions of innovation

Nurture adoption: Professional development that provides teachers collaborative opportunities to design and research innovative teaching

Enrich learning: Ubiquitous student ICT access



MOVING FROM RESEARCH TO ACTION

The background of the slide features a stylized illustration of a tree. The top portion shows the green foliage and branches against a dark background. The middle section is a solid green band. The bottom section is a blue band with white bubbles, suggesting water. The tree's roots are depicted as white, branching structures that extend from the foliage down through the green band and into the blue band.

Aligned assessments: **ATC21S**

Shared visions of school innovation:
Partners in Learning School Research (PILSR)

Teacher Professional development: **ITL LEAP21**

Ubiquitous student ICT access:
Shape the Future Program

MEASURE INNOVATIVE TEACHING USING PARTNERS IN LEARNING SCHOOL RESEARCH

www.pilsr.com

Microsoft
Partners in Learning
School Research

Measuring 21st Century teaching and learning in your school

Home

About The Research

Training Materials

How It Works

Sign In

First Time Sign In



[Start the Research at Your School Now!](#)



What is this research?



Free surveys of teachers and school leaders that will measure 21st Century teaching and learning skills in your school.

People all over the world are talking about the need to transform education to align with the realities of life and work in the 21st Century. This is not just about the effective use of technology. It's about developing kids who are deeply engaged in the learning process and taking the initiative to learn.

How It Works



- The surveys are self-assessment tools for schools that measure innovative teaching practices.
- Survey responses are confidential and anonymous.
- The survey tools and school reports are free.
- Schools can use the surveys each year to track progress.
- Microsoft's Partners in Learning provides these survey tools as part of its commitment to advance innovative

Research Tool for Schools

Based on ITL Research Surveys

No costs

Measures Innovative Teaching Practices

Basis for Common Vision

International 34 languages

"Using these surveys, discussing the results, and the school helped me get a clearer picture of how to teach 21st Century skills."
- Lisa Blum, Teacher

"Measuring teaching practices helps teachers and school leaders understand common goals and challenges."
- Michael R. Smith, Teacher of English



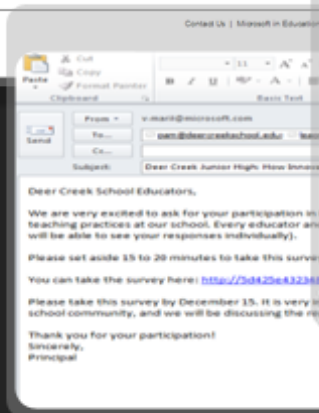
Partners in Learning
School Research is based on surveys developed for Innovative Teaching and Learning

PARTNERS IN LEARNING SCHOOL RESEARCH

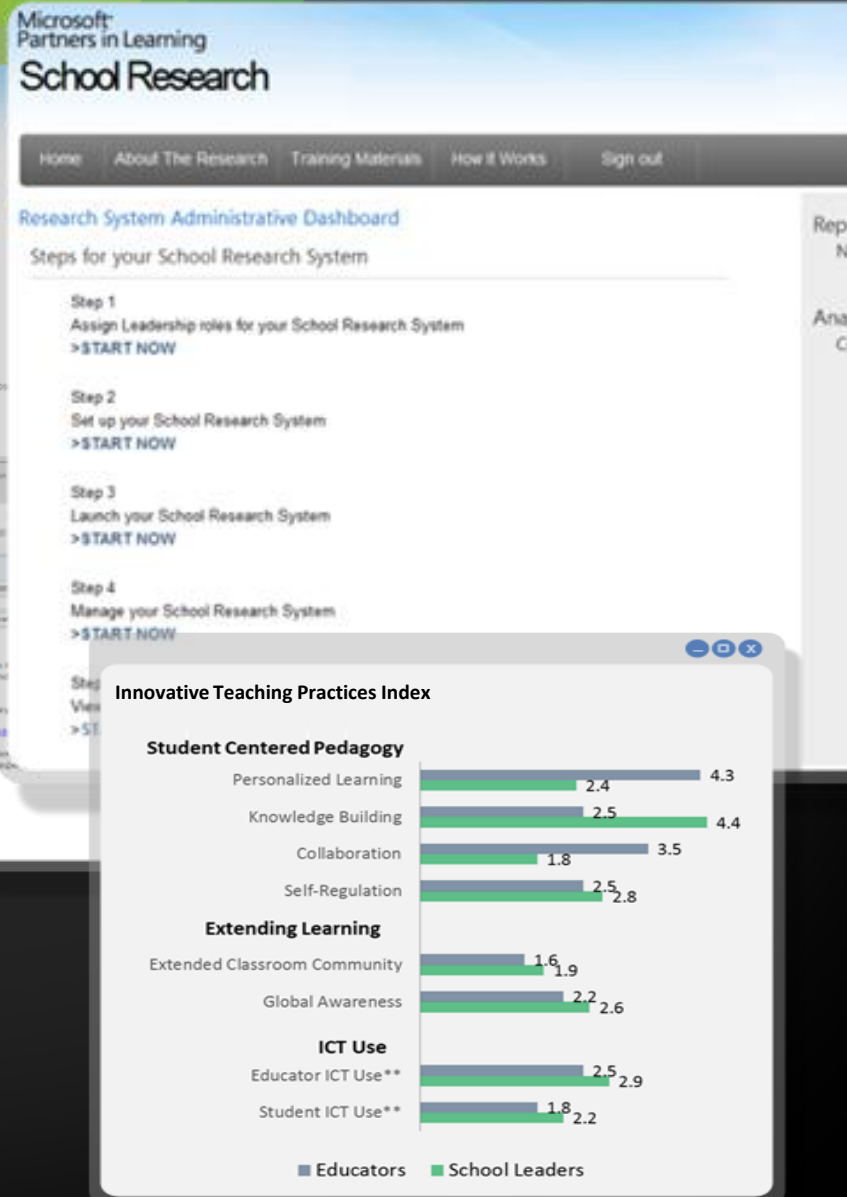
1. School Signs Up



2. Distribute Surveys



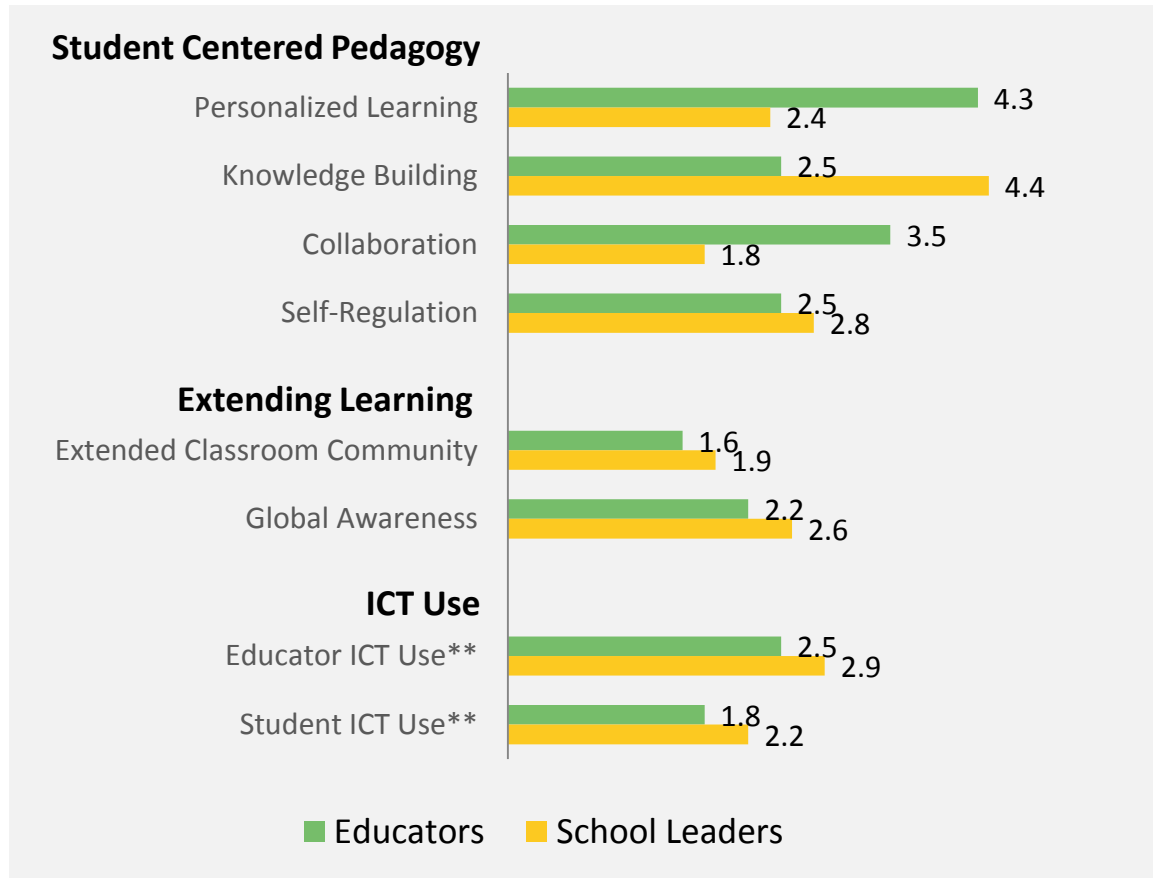
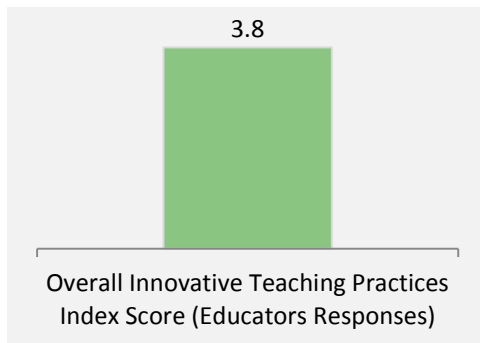
3. Use the Report



Innovative Teaching Practices Index*

The chart on the right shows how educators at [School Name] report their use of the different elements of innovative teaching practices, and how school leaders estimate the use of these practices among educators in the school. These practices are described in more detail on the following pages.

Other related research demonstrates that innovative teaching practices are strongly associated with students' development of 21st Century skills (see www.itlresearch.com).

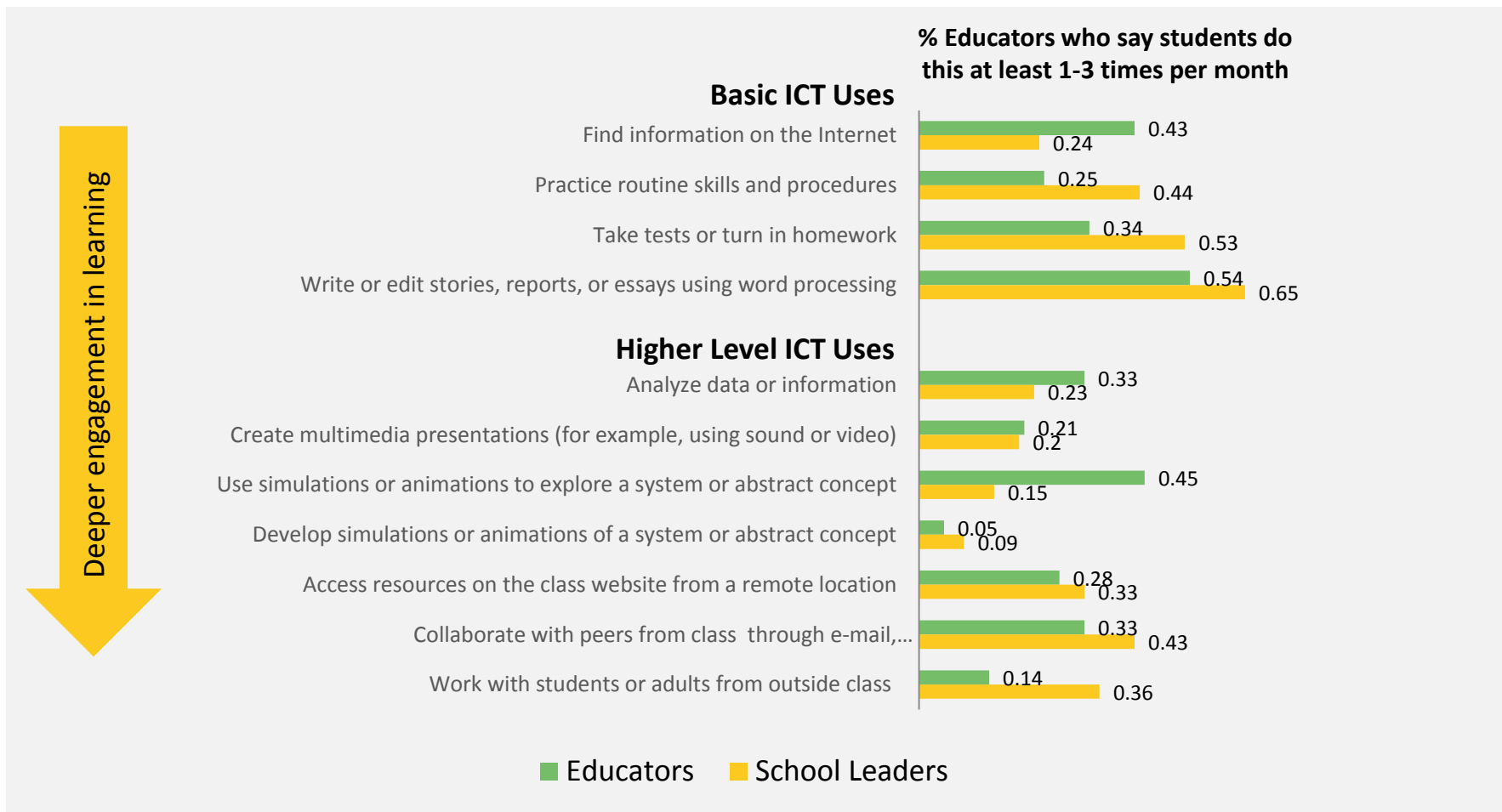


*All items are measured based on educators' reported frequency of a practice on a 5 point scale. Higher scores indicate a higher reported frequency of a practice. All items show averages across all responses from the school for each group (educators and school leaders). Data has been adjusted to account for the number of times a class meets per week.

**Student and Teacher ICT Use has been calculated taking the average of basic and high level technology use (see pages 10-11).

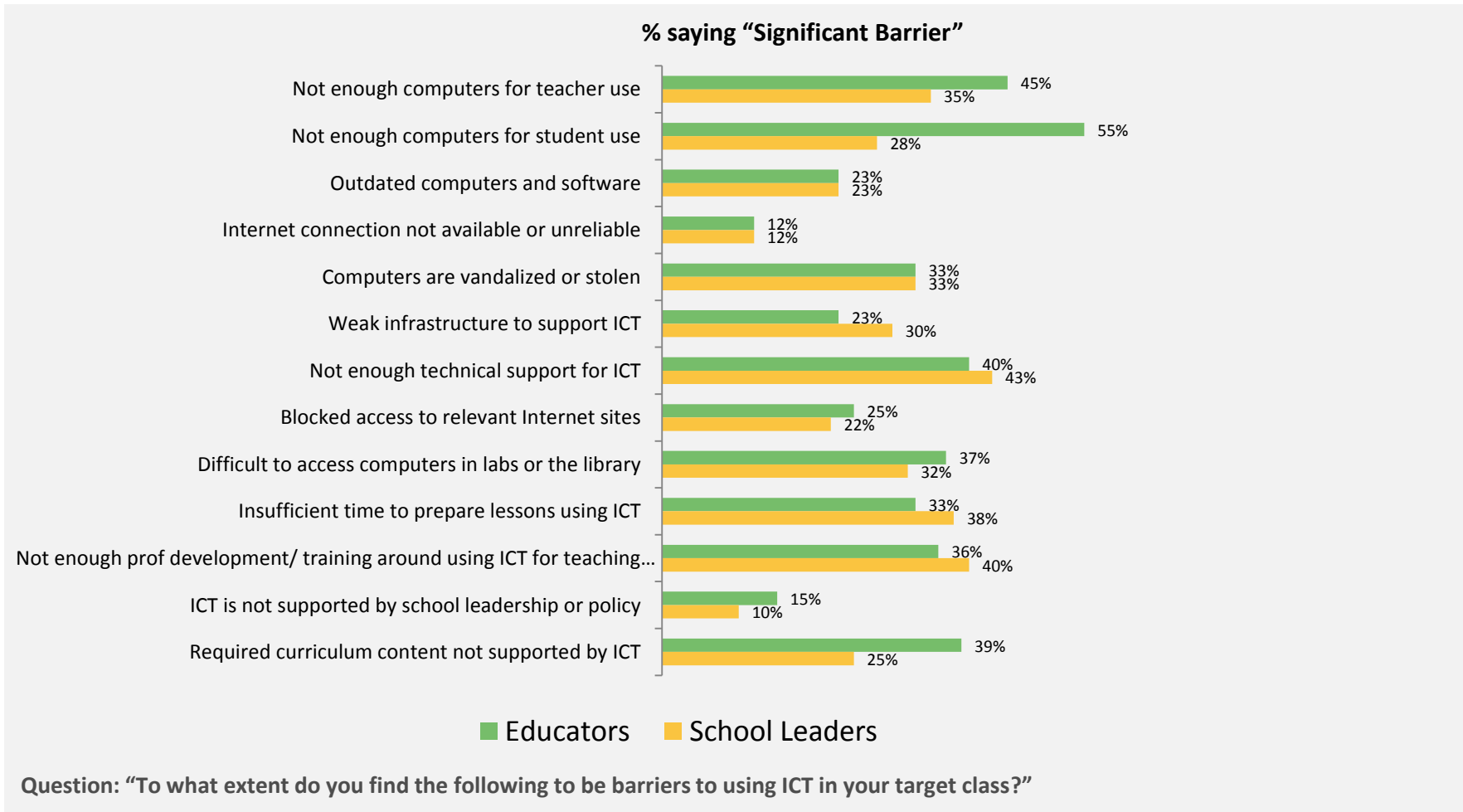
ICT Used for Teaching and Learning by Students

These charts show how educators and school leaders report on students' use of technology for learning. Higher-level uses of ICT integrate more deeply with learning objectives and are more strongly associated with innovative teaching methods than basic uses of ICT.



Barriers to technology use

This chart shows percentage of educators and school leaders who say the item is a “significant barrier” to ICT use in teaching and learning.



SCHOOLS USE PILSR REPORTS

To build a common understanding
and measure progress



Innovative Teaching Practices Index

Student Centered Pedagogy



Extending Learning



ICT Use



■ Educators ■ School Leaders

School Leaders

Educators

Students

Parents

Community

Measure and build innovative teaching capacity



Measure:
PILSR.com



Support:
ITL LEAP21
Partners in Learning
Network



Measure
progress:
PILSR.com

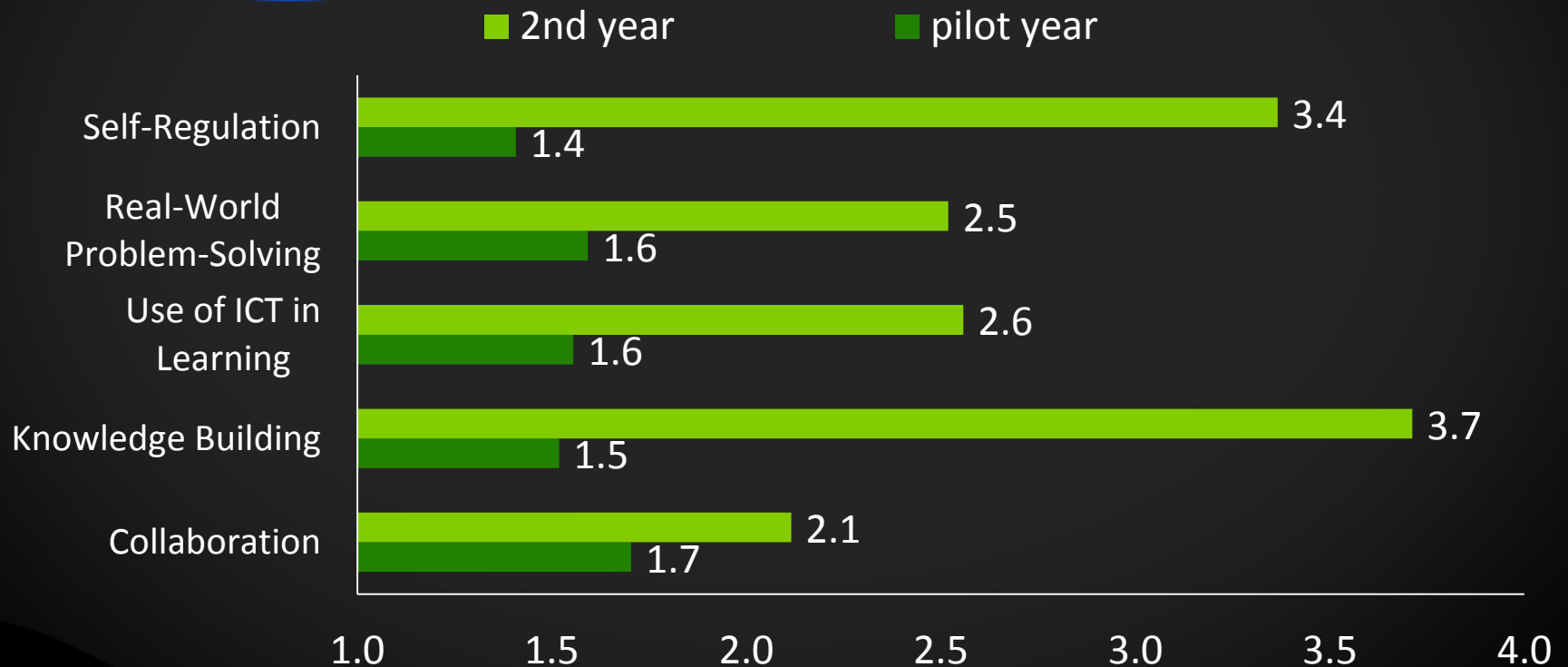
ITL LEAP21

bridge between theory and practice of
21st century skills

framework for teacher collaboration

lens for the collective analysis of learning
activities and student work

TEACHING CAN CHANGE, DRAMATICALLY



Case study from one school in Russia


PARTNERS IN LEARNING NETWORK

Providing examples of innovative Learning Activities






www.pil-network.com

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resources community about



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teachers and school leaders
education in
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countries

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Tutorials


Educator-created tutorials on how to use technology in the classroom to engage and empower learners.

TUTORIAL

Free tools

Get Learning Suite – over 20 of our most popular software, tools and teacher resources in one easy download.

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 Tweet to @MicrosoftPIL

BIG NEWS: we are now up participating in the PIL Network and join the movement! by 2 hours ago

Have you 'liked' us on Facebook?

Measure and build innovative teaching capacity



Individuals with
skills for life and
work today

