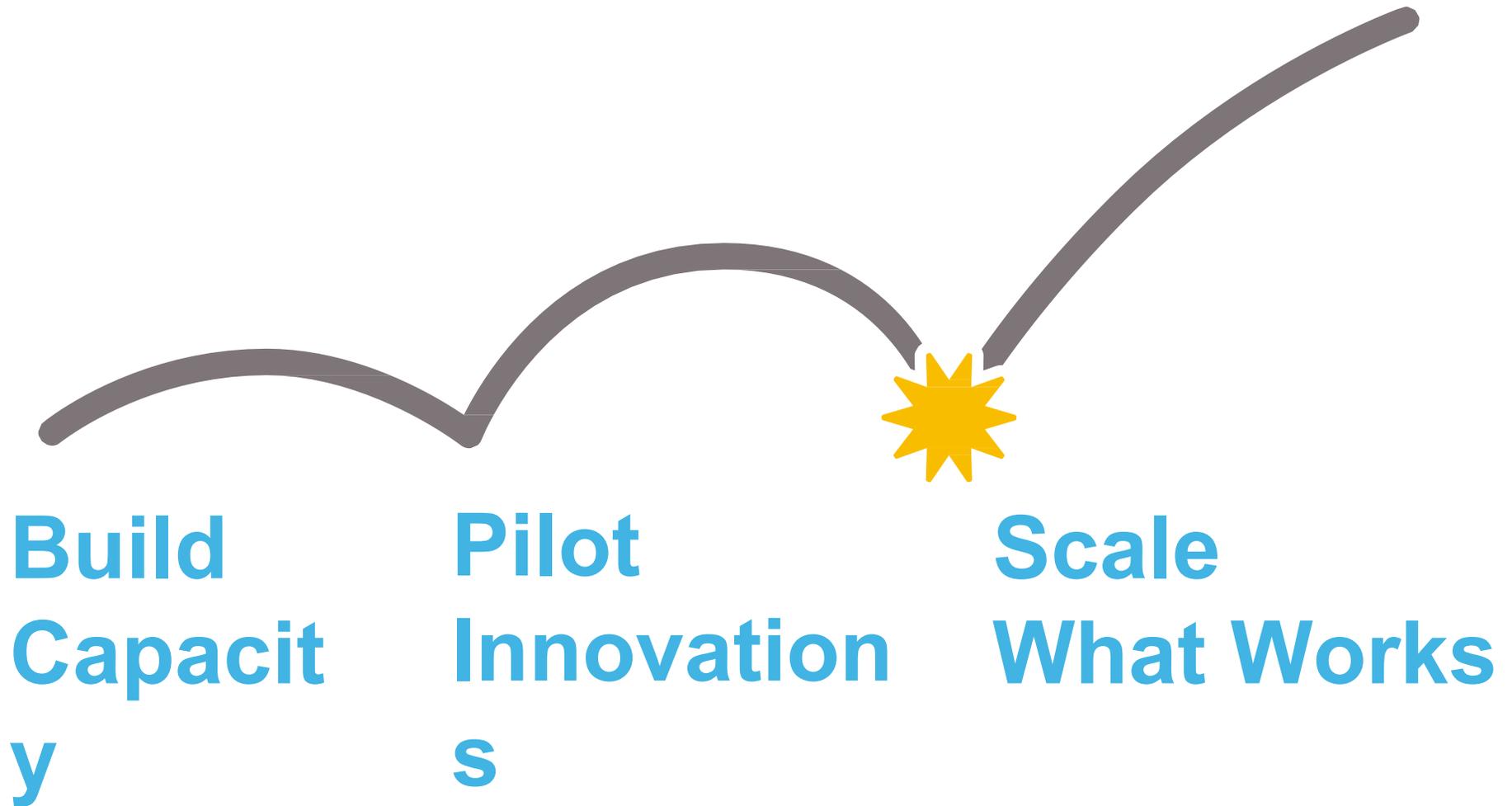




Oak Park  
Board  
Presentation  
December 2016

# LEAP connects *education* and *innovation* to exponentially improve teaching and learning



# LEAP Innovations is leading the next generation of learning innovation in Chicago.

## LEAP Innovations

- Bridges the gap between education and innovation
- Helps classrooms adopt personalized learning and technology from PreK to College
- Scours the globe for great edtech solutions, evaluates products, and shares findings nationally

## Overview

### The Collaboratory

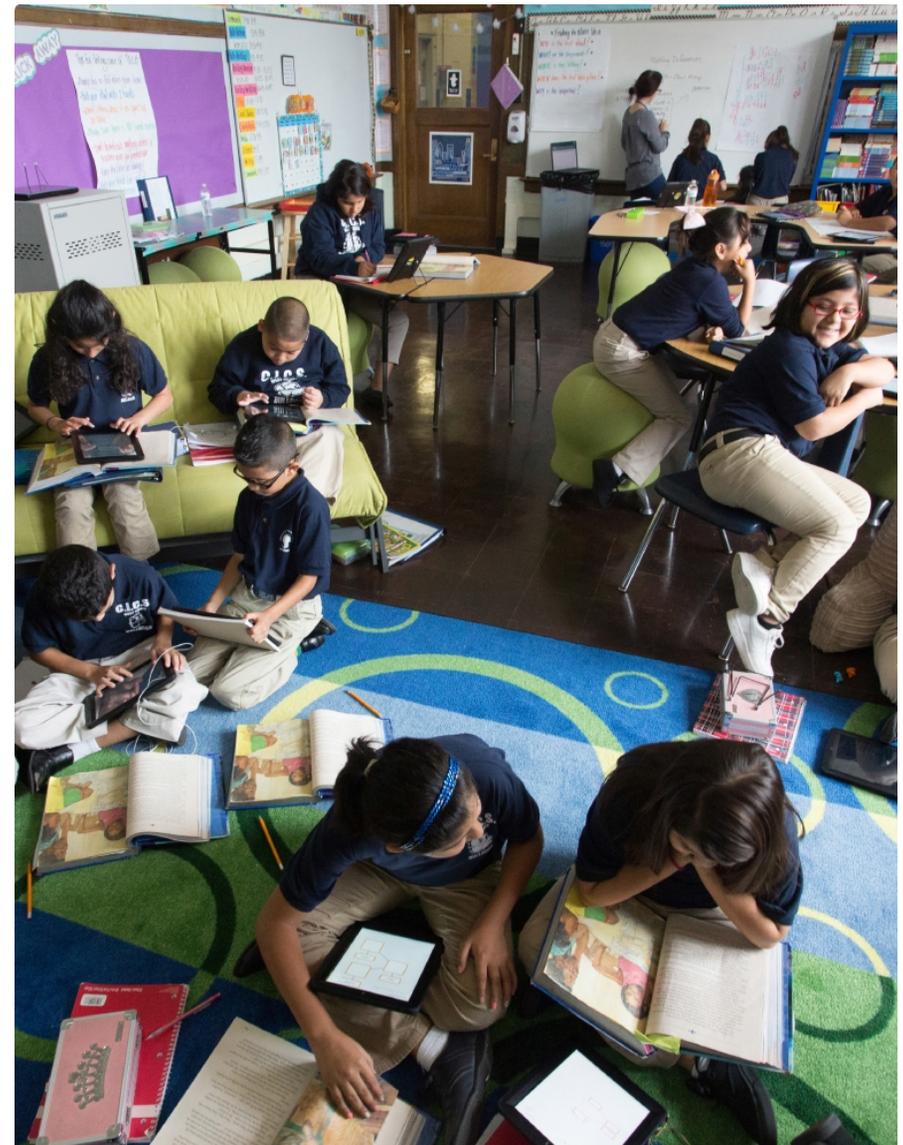
- Ecosystem to connect educators, schools and tech companies
- Programs and events on how to personalize learning with technology and support innovators

### The Pilot Network

- Looks globally for the best solutions to key learning gaps
- Pilots and evaluates them in schools

### Breakthrough Schools: Chicago

- Helps establish 21<sup>st</sup> century school models through whole-school transformation or launch



# Since our launch, LEAP has helped establish personalized learning in Chicago's schools

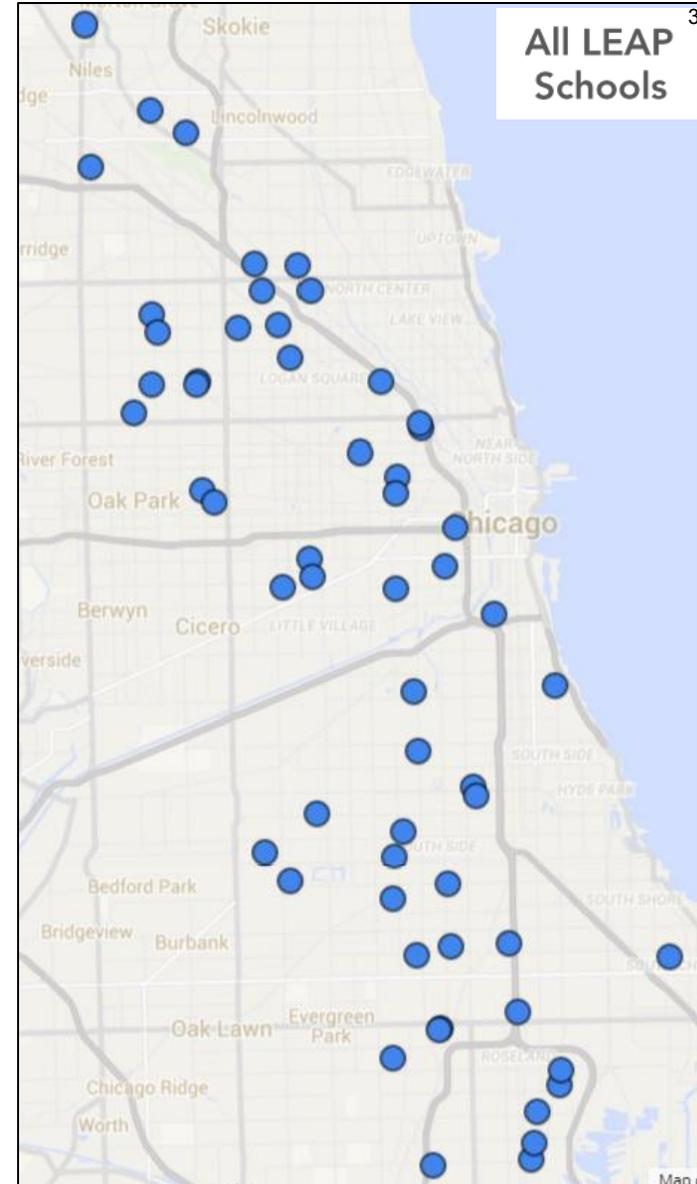
## Local Impact

LEAP has engaged with 72 schools to date:

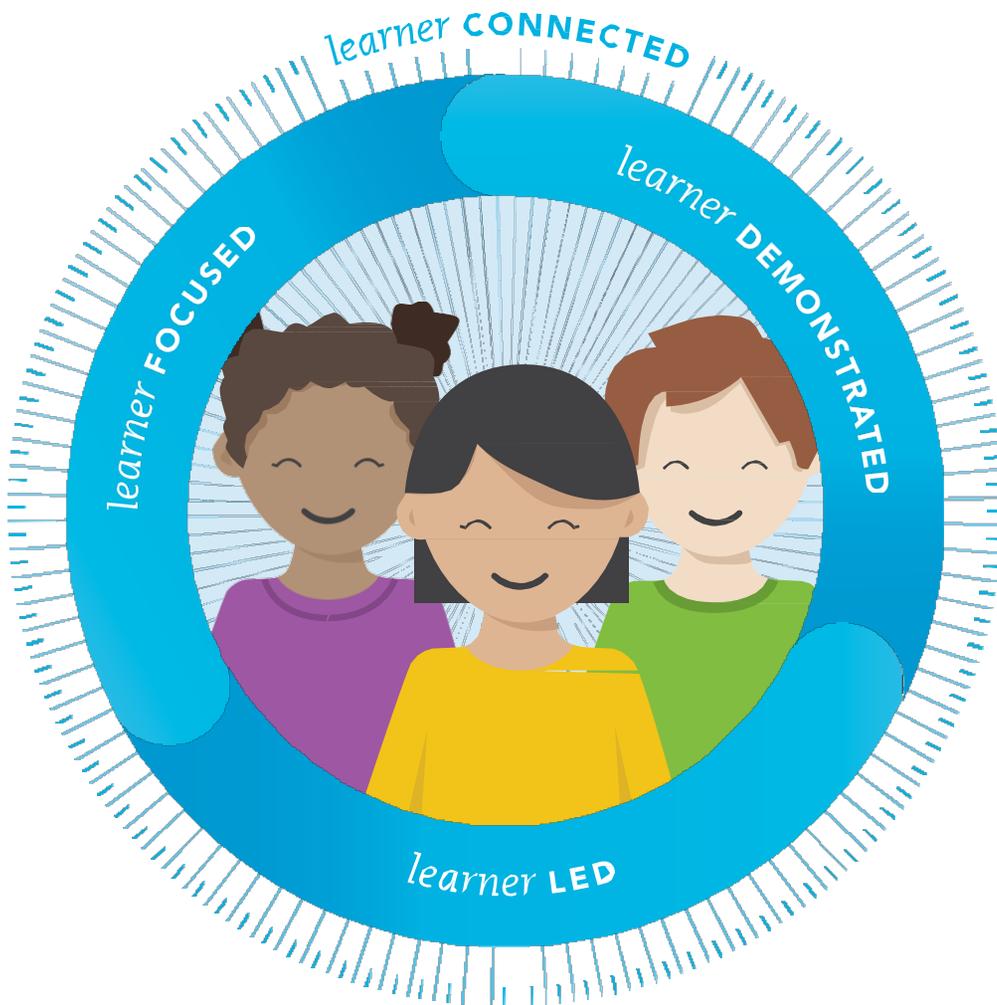
- **LEAP Pilot Network**
  - 37 participating schools to date, with many completing more than one pilot cycle
  - First-year results: Participating students saw a gain of **1.07 additional test-score points** above what the control group on NWEA
- **Breakthrough Schools Chicago**
  - Committed **\$4M in funding and supports** to Chicago schools
  - PD program completed by 22 schools to date, **awarded 14 implementation grants**
- **Professional development**
  - **Trained ~500 educators to date**
  - Expansive PD suite, supporting organizations including **Golden Apple, Chicago Catholic Schools, and the Summer Design Program**

## Setting National Standards

- Asked by Gates Foundation to **lead the Learning Assembly, a national community of practice** for organizations evaluating edtech efficacy
- **Developed country's first personalized learning framework** with over 60 teaching and learning practices
- **Deployed nearly 3,000 teacher and student surveys** to measure practice and become the standard bearer for the country



# LEAP's Learning Framework anchors our evaluations and provides implementation context and evolution of classroom practice



## *Foundational Principles*

### **Learner Connected:**

-Socially embedded & Open-walled- Learning transcends the classroom in relevant and accredited ways, connected to families and communities

### **Learner Focused:**

-Personalized, relevant, & contextualized- Understand each individual learner's needs, strengths, interests and approaches to learning

### **Learner Demonstrated:**

-Competency-based- Allow learners to progress at their own pace based on demonstrated competencies

### **Learner Led:**

-Learner Agency- Enable learners to take ownership of their learning so that it can dynamically adjust to their skills, curiosity and goals.

# Our first-year results indicate the potential to make a real impact.

Students in the Pilot Network gained an **additional 1.07 test-score points** above what the control group gained on NWEA.

Product Highlights: **Lexia Reading Core5®**

Students using Lexia CORE5 gained an **additional 1.42 test-score points** above what the control group gained.

**ThinkCERCA™**

Students using ThinkCERCA™ gained an **additional 6.29 test-score points** above what the control group gained.

## PILOT NETWORK STUDENT DEMOGRAPHICS

**2669**

Total Students

**40%**

Black

**56%**

Hispanic

**2%**

White

**96%**

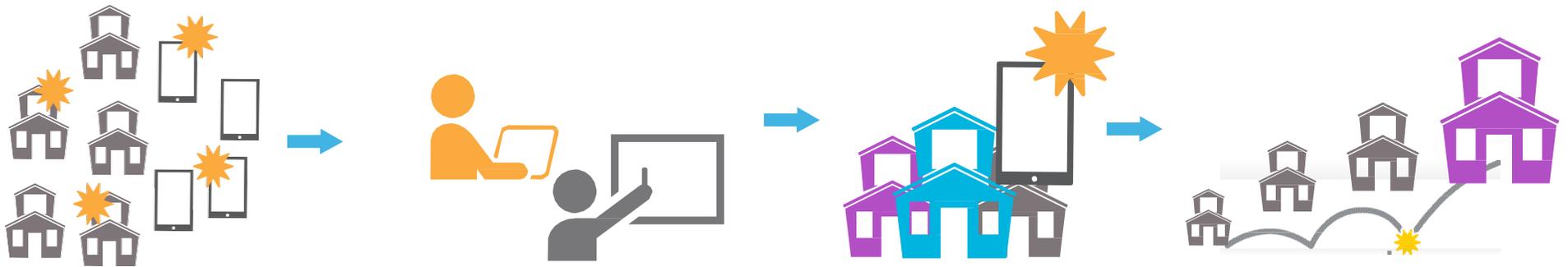
Low Income

**32%**

ESL

(includes all students who piloted)

# In the Pilot Network, we work with educators and tech innovators to pilot and evaluate personalized learning technologies and innovative practices



## Identify

**Call to Action** seeks the best solutions in selected focus areas.

**School teams apply** to invest in personalized learning.

**Leading experts vet** the edtech solutions.

## Learn

School teams participate in a semester-long **professional development** program.

Teams participate in **Match Day** to meet companies and select solutions.

## Pilot

Schools **pilot solutions**, receive ongoing coaching and support.

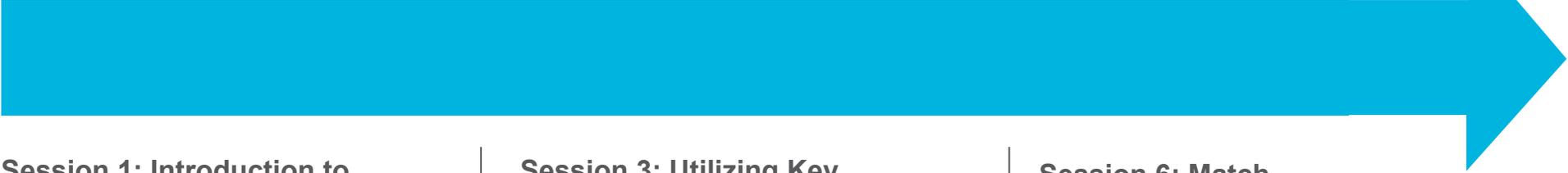
**Robust research** metrics and feedback show what works.

## Scale & Sustain

**Build whole-school models** by expanding pilots across grades and subject areas and reporting impact.

Give schools and districts **visibility on what to scale**.

# Professional Development Workshop Series



## Session 1: Introduction to Personalized Learning

Team Selects Wednesday, January 18  
or Saturday, January 21  
9:00 AM - 3:00 PM

### *Topics will include:*

- Explore the need for personalized learning; what it is and is not
- Introduction to the LEAP Learning Framework
- Current “state of school” team analysis around curriculum, tools, and challenges

## Session 2: Leading Change

Wednesday, January 25 - Principal and pilot lead only  
9:00 AM - 1:00 PM

### *Topics will include:*

- Building and maintaining a vision
- Change management strategies and planning
- School structures for collaboration

## Session 3: Utilizing Key Components of the LEAP Learning Framework

Team selects Wednesday, February 4 or  
Saturday, February 7  
9:00 AM - 3:00 PM

### *Topics will include:*

- Visioning and strategies for building learner agency
- Developing and utilizing learner profiles
- Competency-based progression at the classroom level

## Session 4: IT and Edtech

Team selects Wednesday, March 1  
or Saturday, March 4 - Team + IT  
Lead 9:00 AM - 1:00 PM

- Evaluating edtech products for personalized learning
- IT alignment and strategies

## Session 5: Pilot Planning Part 1

Team selects Wednesday, March 29  
or Saturday, April 1  
9:00 AM - 3:00 PM

### *Topics will include:*

- Pilot implementation planning
- Personalized learning instructional strategy development

## Session 6: Match Day

Saturday, April 29 School-  
Specific Timing  
• Individual team discussions with expert-vetted, school-selected companies to review potential edtech tools

## Session 7: Pilot Planning Part 2

Team selects Wednesday, May 17  
or Saturday, May 20  
9:00 AM - 3:00 PM

### *Topics will include:*

- Space design that enhances personalized learning
- Connected learning principles for anytime, anywhere learning

In addition to the above sessions, over the course of late winter/early spring, each school team will visit another Chicago school that has already participated in LEAP programming in order to see personalized learning in action.

# We have developed a suite of tools that can enable educators to measure and reflect on practice during pilots

## **LEAP Suite of Personalized Learning Tools**

### **Teacher Survey<sup>1</sup>**

- Measures teaching practices and classroom conditions
- Shows teacher evolution in personalized learning (fall & spring)

### **Student Survey<sup>1</sup>**

- **Captures student experiences**
- **Aligns student experience to teacher expectations**

### **Teacher Observation Platform**

- Digital platform captures PL strategies in practice
- Valuable feedback for teacher coaching and the evolution of practice

### **Key Benefits**

- **Clear, shared understanding of PL**
- **Gain insights and validates PL practice**
- **Assess current degree of personalization and iterations of implementation**
- **Designate PD opportunities for teachers**

(1) Currently 4-8<sup>th</sup> grade students and K-8 teachers; HS measures available in 2017

Grade Levels	Enrollment	School Type	Admission	Respondents	FTE Teachers	School Address
PK-8	413	Public	Open	33	28.5	123 LEAP Street, Chicago, IL 60654



### LEARNER PACED

Learners begin at a level appropriate to their prior knowledge and learning needs; receive supports and pacing that fit their learning needs; demonstrate competency when ready; demonstrate evidence of learning in multiple ways; and receive recognition based on demonstrated competency (not seat time). There were no subscore measures calculated for the Learner Paced construct.



### LEARNER LED

Learners co-design their learning experiences; partner in setting learning goals and plans; articulate their interests, strengths and needs; assess and monitor their own progress; collaborate with others to achieve goals; advocate for needed support from teachers, peers, technology and other sources; reflect upon their learning in order to continually refine their learning strategies; and adopt a growth mindset.



Full school profile created with clean visuals to enable easy interpretation of results

Different levels of norms to show comparison versus national and local contexts



# Learner Focused

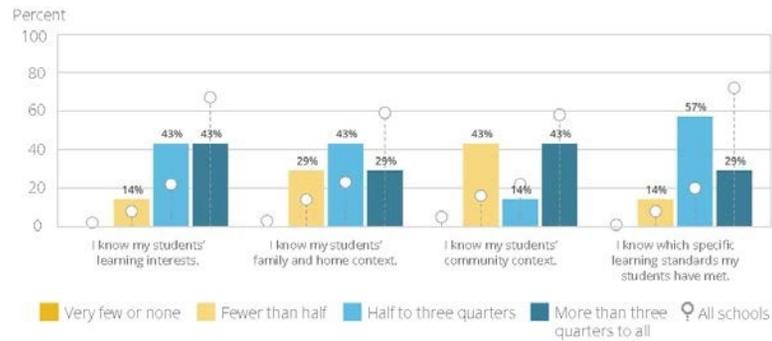
## Sample Teacher



### Personalized Learning Survey TEACHER

#### Teacher Knowledge of Each Learner

Think about how well you have gotten to know the individual students in your class so far this year. For what proportion of your students are the following statements true?



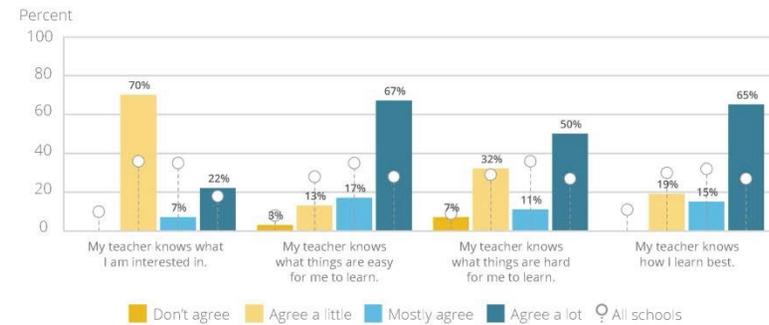
## Sample Student



### Personalized Learning Survey STUDENT

#### Teacher Knowledge of Each Learner

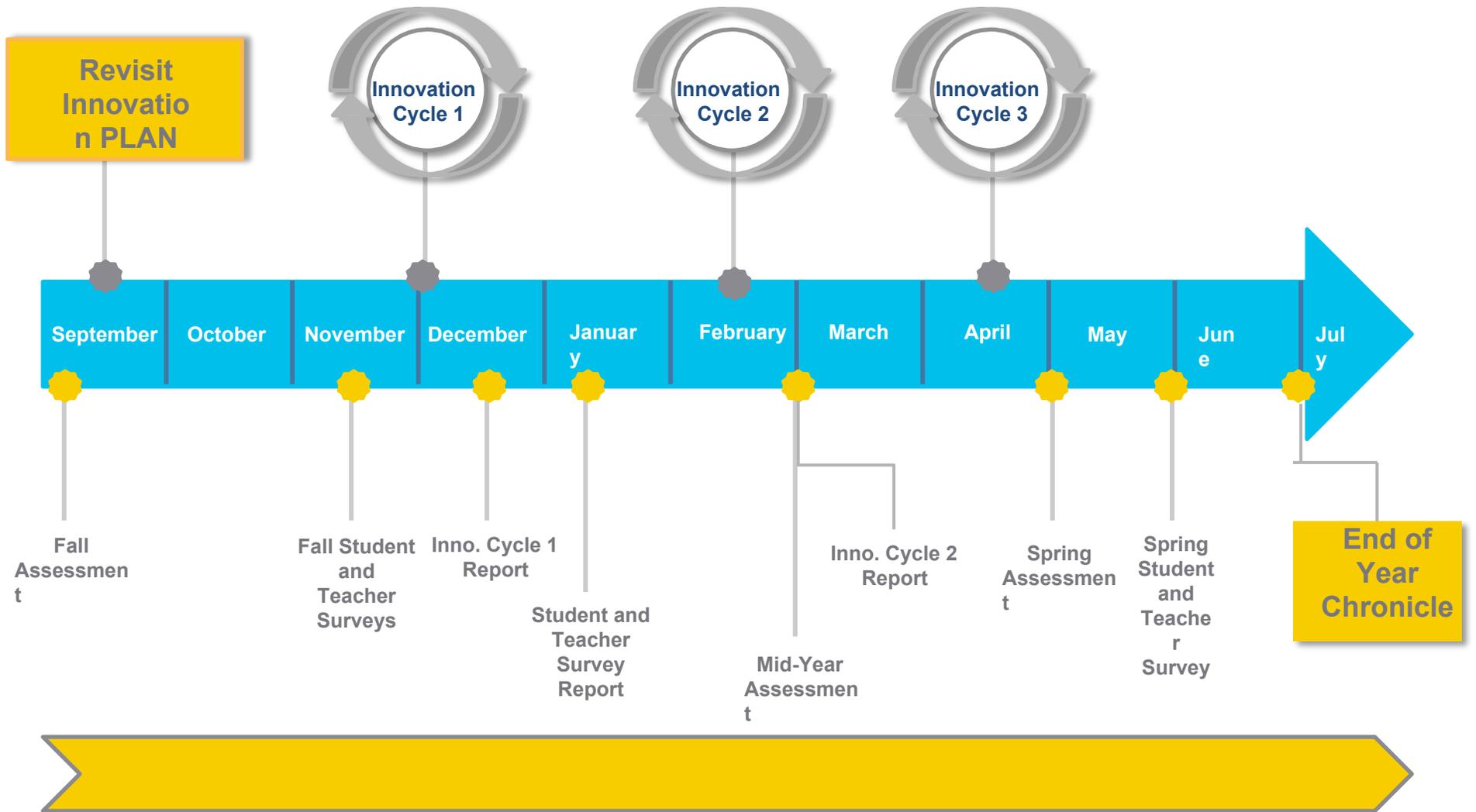
Tell us how much you agree with the following statements about Ms. Rivera's class.



By comparing similar items from both Student and Teacher surveys, we're able to understand the same classroom from multiple perspectives



# Research and Innovation Cycle Roadmap



 **Research Touchpoint Innovation**  
 **Cycle Touchpoint**

# LEAP's research evaluation probes the efficacy of edtech tools in personalized learning models

Key Questions	Data Sources
<p>Are schools using the products as intended?</p>	<ul style="list-style-type: none"> <li>• <b>Minutes of usage</b> in the products</li> <li>• <b>Progress</b> (units completed) in the products</li> <li>• <b>Qualitative descriptions</b> of differences in product usage among pilot sites</li> </ul>
<p>How are teachers integrating the products into their classrooms?</p>	<ul style="list-style-type: none"> <li>• Qualitative descriptions of <b>classroom models</b></li> <li>• <b>Survey data</b> describes differences in student experience</li> <li>• <b>Focus group data</b> describes teacher best practices for implementing products</li> </ul>
<p>Are students growing as much as expected?</p>	<ul style="list-style-type: none"> <li>• <b>Pre-and-post gains on nationally normed assessments</b> (NWEA and DIBELS) compared to national “typical” gain</li> <li>• Analysis of <b>student subgroups</b> based on grade level and prior achievement</li> </ul>
<p>Do product use and integration model impact student gains?</p>	<ul style="list-style-type: none"> <li>• <b>Statistical models</b><sup>1</sup> that control for student characteristics and school effects</li> </ul>

(1) Statistical models controlled for probability of being in pilot classroom (propensity score model to control for selection bias) and student characteristics and clustering of students in schools (hierarchical regression model based on student administrative data)

# Pilot Network Cohort 4 Overview

## The Details

- Fourth cohort of the Pilot Network
- Grades K-8
- Focus areas include ELA and math, as well as tools and platforms that help teachers implement standards-based grading and/or support students in:
  - Showing evidence of learning
  - Receiving formative feedback
  - Pacing their own learning

## Who Participates in the Program?

- 30-35 school teams from local district, charter, and private schools
- Teams consist of a school administrator, a pilot lead (assistant principal, instructional coach, or other) and 2-6 teachers, as well as either the IT, facilities or school technology lead
- Pilot leads will receive additional professional development and support from LEAP to lead pilot implementation at his or her school

## What's Included?

- A professional development on-ramp starting in January 2017
- “Match Day,” where school teams meet with edtech companies vetted by national experts, and then select a product to pilot
- A school year of piloting over the 2017-2018 school year
- Ongoing on-site observations and coaching, professional development workshops, and qualitative and quantitative feedback and reports on student growth
- Additional leadership track

# We are grateful for local and national support



Motorola Mobility  
Foundation



**Best Portion Foundation**

**The Crown Family**

**Mark and Jody Furlong**

**Patty and Craig Henderson The Osa  
Foundation**

**Harrison Steans**

**Robin Steans**

**The Canning Foundation**

**Finnegan Family Foundation**

**Linda and Jeffrey Hammes**

**William G. McGowan Charitable**

**Pritzker Foundation**

**John W. and Jeanne M. Rowe Foundation**

# Appendices

# With support from the Gates Foundation, LEAP has the potential to reach millions of students nationwide

## NATIONAL COMMUNITY OF PRACTICE

- National community of practice (“Learning Assembly”) for cohorts of product efficacy test beds
- A **test bed toolkit** to support the pipeline of test beds across the country
- **Online platform for knowledge sharing** among test beds, schools, districts, and other stakeholders
- **Communication strategy** to develop a **common language** and establish the test bed approach as a vehicle for innovation across the country
- **New research tools** for pilot evaluations including teacher and student surveys



a network of learning innovators

