# LANDSCAPE REVIEW: ALIGNED INSTRUCTIONAL SYSTEMS

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### **Prepared for:**

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# Landscape Review: Aligned Instructional Systems

February 12, 2007



## An Aligned Instructional System is...

A systematic and coherent combination of Curriculum, Assessment,
Professional Development, Information and Student Support Services to
support student achievement

## **Agenda**

- What Is the Problem?
- What Is AIS?
- What Is the Potential Market Approach?

## AIS Strategy is Designed To Address These Key Questions

## Instructional Challenges

 How do we create alignment and coherence where is does not exist today?

## Organizational Weaknesses

- How do we change district behavior that perpetuates low coherence?
- How do we build capacity for teachers and administrators to be successful?

#### **Market Deficiencies**

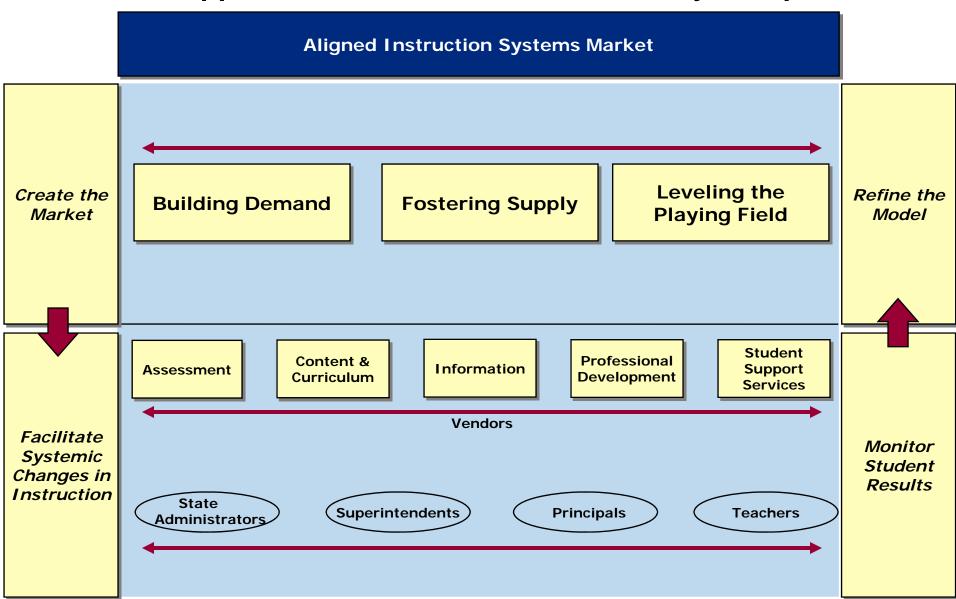
- How do we ensure that alignment is self-sustaining from a market perspective?
- How do we support innovation where there is a problem of invention?

## Many Districts Lack Coherence Across Instructional Systems

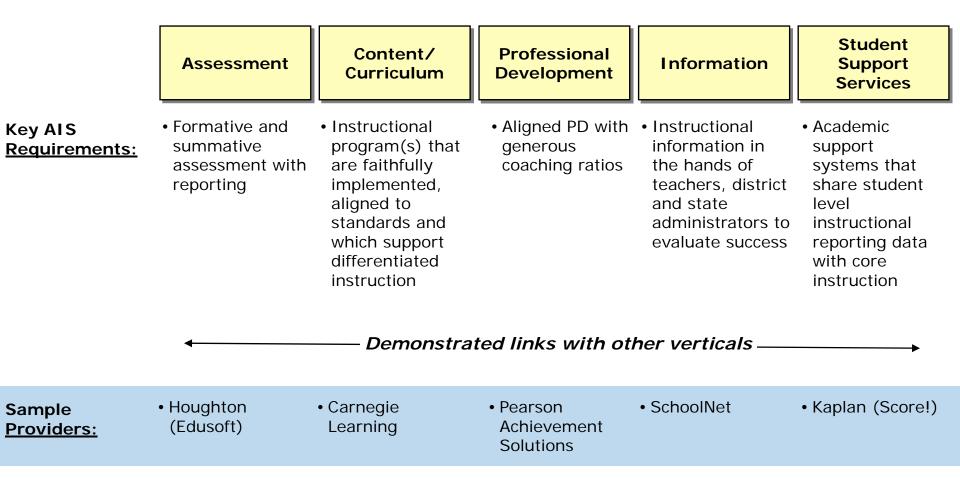
#### **Problem Areas** What We Heard Multitude of curriculum materials within one "We used to have over 100 different curricula in our high schools" - Chicago district, leading to inconsistency in delivery of instruction nstructional Challenges Decentralized PD design and implementation "Schools used to have a lot of autonomy in professional development, with some central support and direction, but not really any non-negotiables or targeted support. Now we have more professional development, offering more choices and with even more focus than in the past." - Dallas ISD "We had a uniform curriculum but it failed at the HS teachers perceive autonomy over high school level because teachers and principals rejected it" curriculum as critical to their job - San Diego Decision-making and budgeting silos "Our central organization was quite dysfunctional **Organizational** Weaknesses and very siloed" - Portland "The system on its own did not have the capacity to develop Limited capacity at states and districts this quality of curriculum, nor did it have the capacity to do the professional development for teachers" - Chicago "We always ask what professional development supports are Lack of sufficient investment / interest from **Deficiencies** available when we purchase. We need PD support to go vendors, particularly in professional along with the products so that teachers can implement development them with fidelity" - Clarksville-Montgomery

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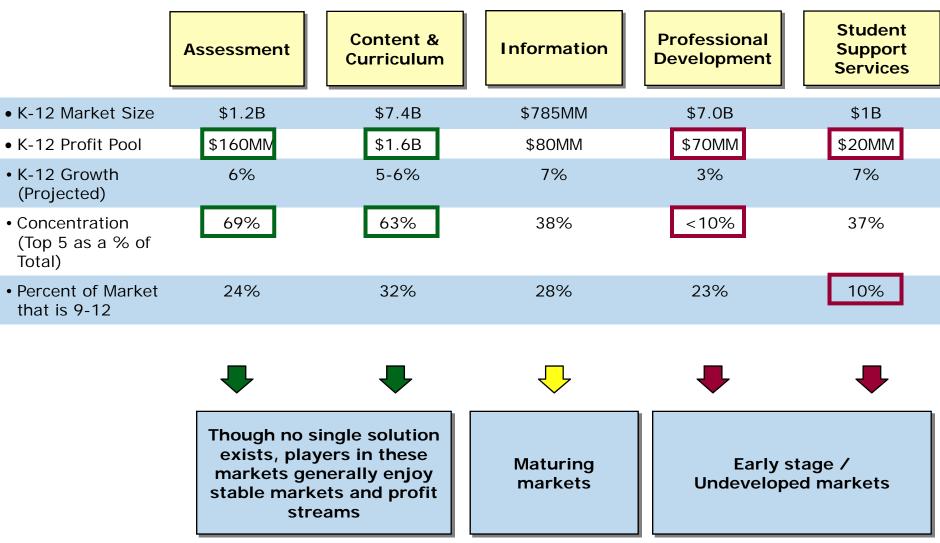
## The Market Approach to AIS Involves Several Key Components



# Addressing This Problem Requires Greater Alignment Within and Across Five Verticals



# Assessment and Content & Curriculum Markets Are Healthiest and Most Likely to Drive AIS Market Response

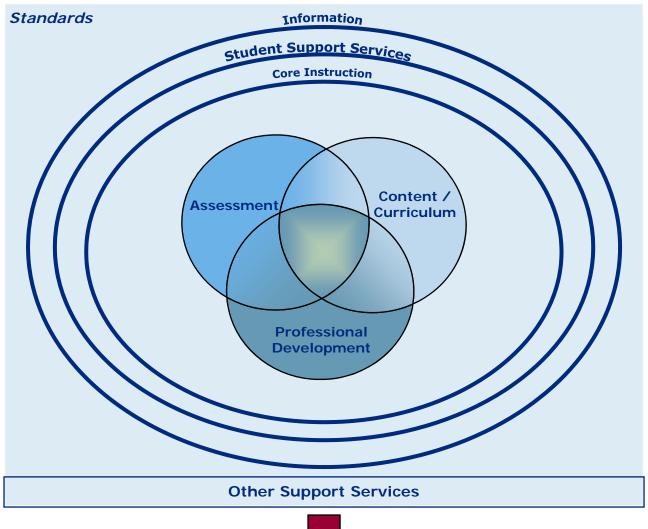


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Aligned Instructional Systems (AIS) will drive improved outcomes through a systematic combination of Content / Curriculum, Assessment, Professional Development and Student Support Services

### AIS Is <u>Not</u>...

#### A Uniform Curriculum

- Every district demonstration project will make use of varying amount of existing instructional infrastructure
- Managed choice will promote a menu of options based on school performance
- State-level intervention strategy implementation of AIS will be tailored to capacity/existing assets of districts

#### A Uniform School Model

- Alternative models are an important source of innovation within the context of school districts
- Alternative models will fall under the same assessment and information requirements as mainstream schools

## A Single Vendor Solution

- In an AIS environment it is critical that vendors are inter-operable to form a matrix/menu of AIS components
- The task of integrating all components may fall to the buyer (district/state) or an independent integrator

## A "Top-down" Initiative Only

 Strong instructional leadership is absolutely critical, but there are many approaches to gaining teacher buy-in

## AIS <u>Is</u> Designed to Create A Sustainable Market

#### **Structural Design Elements**

- 9-12 math and reading as initial focus, all subjects eventually
- Schools opt-in to the program
- Schools contribute meaningful dollars to help cover the program cost (one fifth to half of program costs)
- The AIS program gets control over previously fragmented PD time and dollars
- The initiative ramps up over time, gradually covering some or all of the district's high school students

#### **AIS Core Elements**

- Deep alignment between the three AIS pillars: content & curriculum, assessment and PD
  - Links to student supports and information are important but not initial prerequisites
- Generous coaching ratios
- PD that is relevant and timely for teachers' immediate classroom needs
- Both formative and summative assessment with timely reporting mechanisms
- Approach to curriculum development that is consistent with the strategy and philosophy of district leaders



By carefully shaping the "ask," Districts will explicitly impact vendor solutions that come to market

# AIS Does Not Yet Exist In Mainstream Education Due to Supply and Demand-Side Issues

A number of AIS-ready components exist, but...

- "We have non-negotiable curricula and standards in the district. Our goal
  is to help teachers develop common assessments and use the data to
  guide instructional decision-making in the classroom."
  - Portland

...challenging obstacles exist in established markets...

- "State behavior is siloed everything is purchased separately"
  - Pearson Education

...and PD and student support services are not AIS-ready

 "The economics of professional development mean that publishers have to include it 'gratis' with basal sales – it's not a revenue generating business – and the quality reflects that" - McGraw-Hill

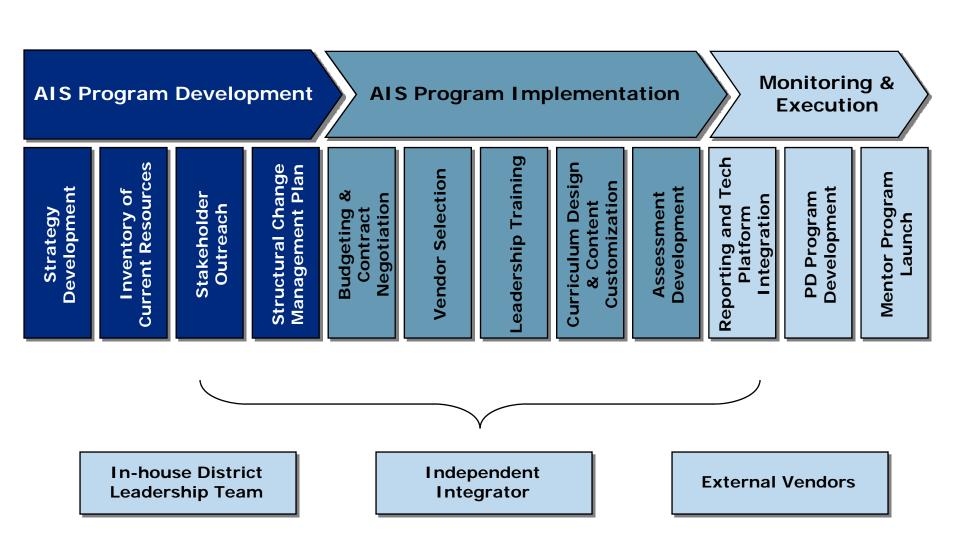
There are few demonstrations of AIS but interest is increasing...

• "There are some common areas right now that all districts are grappling with. We need a critical mass of districts to buy into using some kind of tool so that everyone is not out there reinventing the wheel every day." - Portland

...however, challenging obstacles exist for driving alignment

- "Teachers are very badly prepared to do this. Ed schools simply do not train teachers to teach this way. And the psychology of High School teachers makes them almost hostile to the very notion"
  - Chicago Charter School Foundation

## **District-Level Demonstration Projects Phase In Alignment**



## Chicago Is An Early Example of a District Demonstration Project

## Program Development

- ~18 months planning time
  - New internal staff
  - Partnership with BCG
- Each program includes customized content and curriculum, PD programs, and coaching support (1:15 coaching ratio)

## Program Implementation

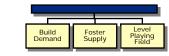
- RFP to select 7 partners to provide integration solutions for math, English, and science
- ~30 schools applied to participate
  - Outreach efforts to principals and teachers
- 14 schools selected for first cohort
- Launched at grade 9, adding an additional grade each year

## Monitoring & Execution

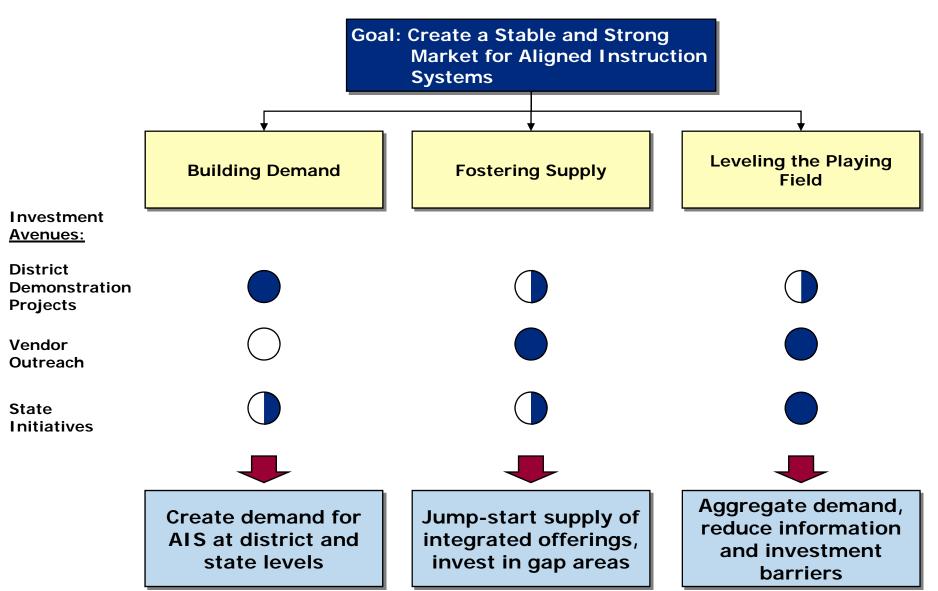
- New cohort of high schools will be added in 2008-2009
- Vendors worked with AIR to design specialized assessment for each program
- Schools contribute \$250 per participating student

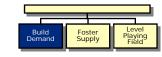
## **Agenda**

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## Three Primary Avenues for Investing in AIS Exist





### Why Do We Need to Build Demand?

Quality, scalable AIS solutions do not exist today

- There is a significant gap in today's market
- Existing products are not aligned across verticals and home-grown solutions are not scalable

Most districts do not currently have the internal capacity to build home-grown AIS solutions

- Home-grown solutions require significant internal capacity and long implementation timelines
- For most districts, leveraging vendor capacity will be an important bridge until they can bolster the internal team

Vendor solutions offer better opportunity for systemic change

- Vendor-driven solutions are more likely to lead to scalable and consistent AIS solutions
- Vendors are positioned to share AIS learnings across districts
- Market solutions may lower the total system cost, as some development costs are shared across districts

Vendors will respond to demand when districts clearly define the "ask"

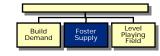
- The market is not fundamentally broken
- If a significant number of districts demand AIS solutions, vendors will respond
- Districts must define and communicate the AIS "ask" in the marketplace in order to lead vendors towards the desired solutions

A self-sufficient market is the best long term solution

- Private dollars can jump start the market, but ultimately a selfsustaining market is required
- AIS projects will combine new district dollars with repurposed spend



Opportunity exists to help accelerate the demand so that the AIS market more quickly develops with a range of vendors who can partner with districts



### Why Do We Need to Foster Supply?

Content & Curriculum and Assessment are AIS ready but evolution is still required

- Markets are stable with healthy investment and R&D
- Many of the building blocks of AIS exist and firms have demonstrated an ability to respond to market changes
- Firms will invest in district level solutions
- Traditional players innovate by acquiring small innovators and incorporating their products
- While formative assessments are readily available, training and reporting are inconsistent

Information is a maturing market and some AIS solutions exist, but successful implementations are limited to large districts

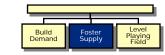
- Normal adoption cycle and decreasing prices will eventually allow penetration of robust IMS and LMS products to smaller districts
- Aggregation of spending and demand may be required to speed adoption

PD is critical, but structural market factors and current lack of demand are hindering sustainable and scaleable solutions

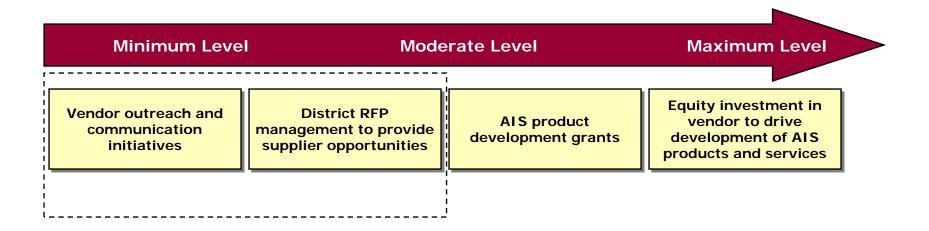
- Aggregation of district professional development spending is required to effectively present a market for AIS
- Creating a stable flow of funds for curricula linked to professional development and coaching can effectively create a market for outsourced PD as part of an AIS

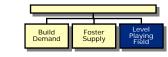
Student Support Services are not currently adequate

- Improvements to the formulation of Title I funding for Supplemental Education Services are required
- Student support can be addressed through advocacy



# Range of Options Exist to Jump-Start the Supply of Aligned Systems from Vendors



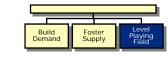


## Why Level The Playing Field?

	Structural Challenges for Districts and Suppliers	Structural Solution
Distribution	<ul> <li>Fragmented budgeting and decision-making; many decisions at the school level</li> <li>Requires large sales forces</li> </ul>	<ul> <li>Force centralization in failing schools, reducing cost for smaller players to sell to individual schools</li> </ul>
Marketing	<ul> <li>Lower brand recognition for smaller players</li> </ul>	<ul> <li>Specifically identify or suggest smaller players who might not otherwise be chosen</li> </ul>
Customization	<ul> <li>Players must customize content at the state or district level in order to compete</li> </ul>	<ul> <li>Create greater consistency of content and curricula across the state though EOC exams</li> </ul>
		<ul> <li>Make it easier for smaller players to compete within specific state</li> </ul>
Data collection	<ul> <li>Lack of consistent data and reporting capabilities on what works and what doesn't</li> </ul>	<ul> <li>Tools for automating and standardizing information and fidelity of implementation</li> </ul>



State and District level AIS initiatives will drive scale structural changes



## Three State-Level AIS Entry Points Exist to Level the Playing Field

### **Intervention Strategies**

#### **Information Systems**

#### **EOC Assessments**

#### **Description**

- States implement AIS strategies in state-takeover schools
- Projects in target schools would look similar to a district demonstration project
- States develop and roll-out robust information systems, which serve as a platform for AIS
- State implements mandatory EOC exams
- Drives greater specificity in standards and greater accountability to those standards

### **Examples**

- Texas High School Redesign and Restructuring Grants
- Florida Sunshine Connections

NY Regents Exams

• NYLearns

### Overall Attractiveness

High

Medium

Medium



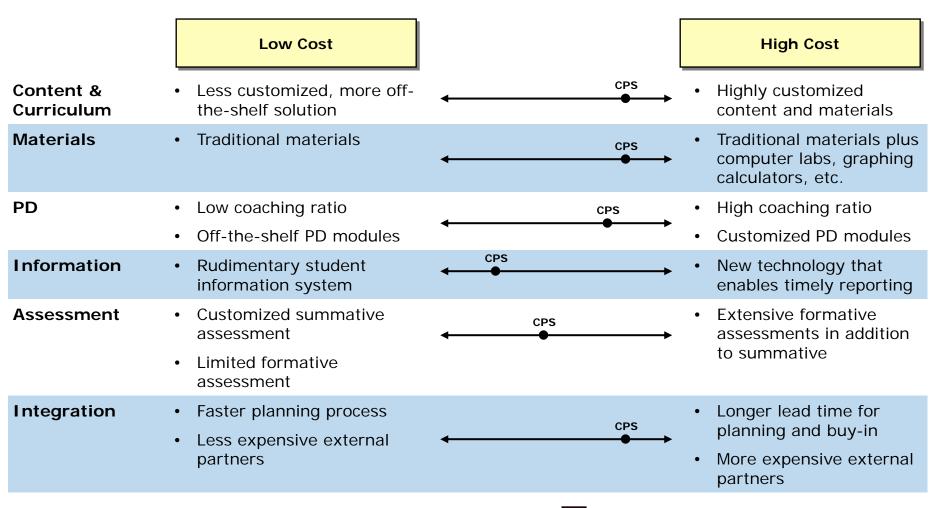
Smaller scale, but tighter control and greater likelihood of success





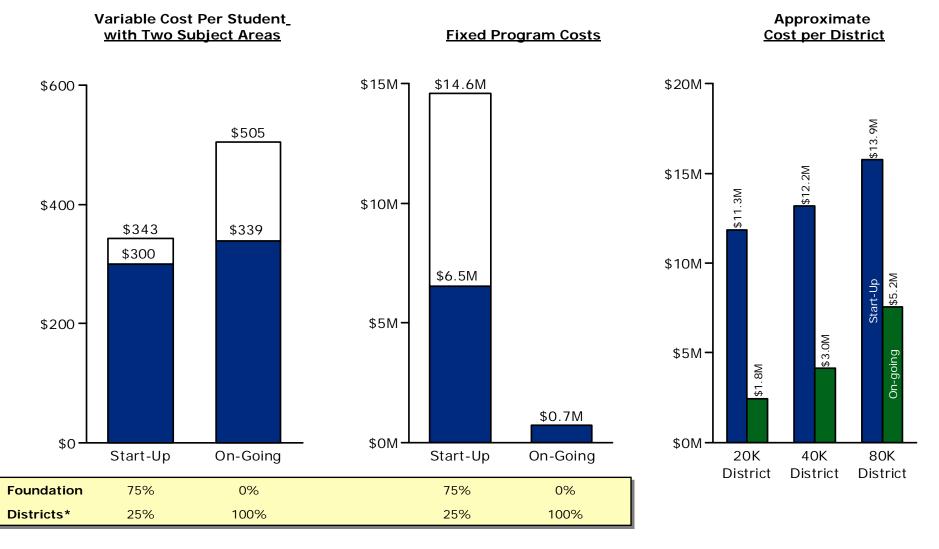
Large scale, but relatively blunt tools for achieving AIS

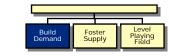
## **Cost Drivers For Projects**



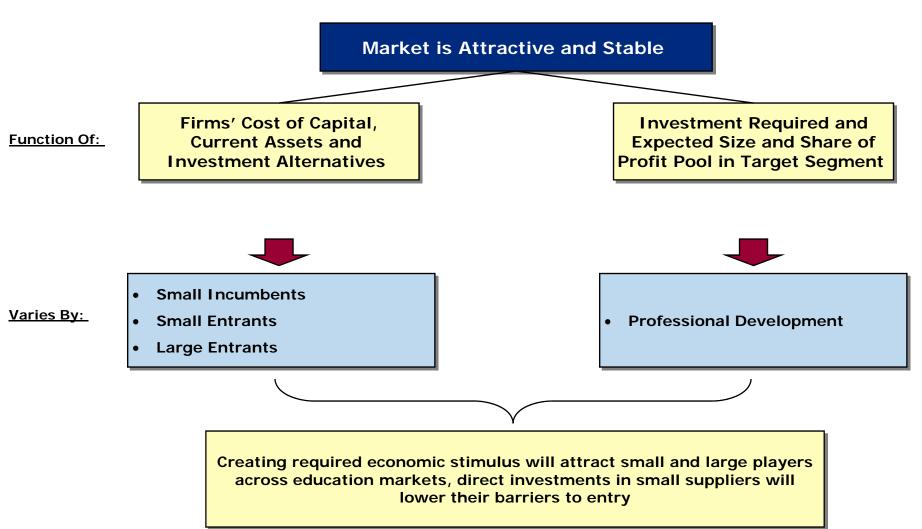
Demonstration program will require a significant financial commitment by both the district and participating schools – not all funding will be incremental

# **Project Costs Will Vary Based on Program Design and District Size**

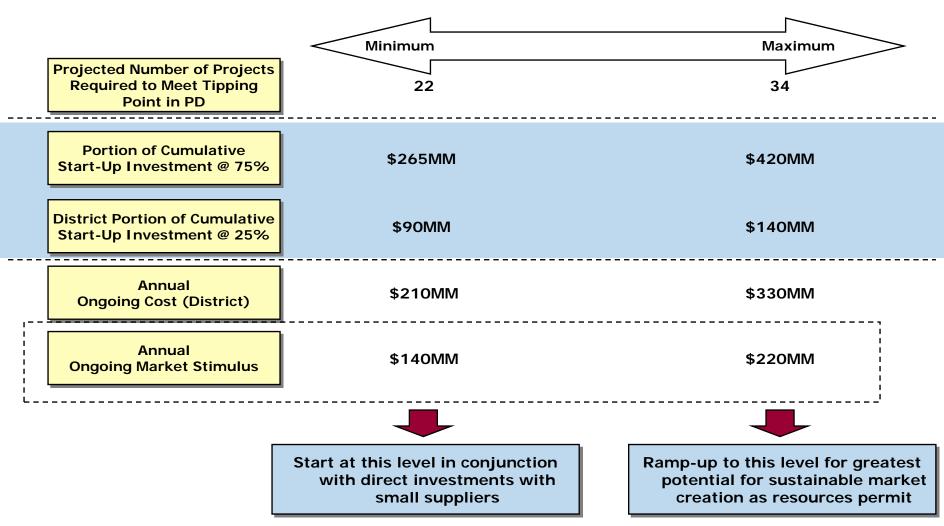




# The Market for AIS Will be Stable and Attract Vendors if the Expected Returns Can Meet Investment Hurdles



# Per District Cost Implies 22-34 Projects to Achieve Required Stimulus Over 5 Years



## Given the Resource Gap, A Phased-in Approach is Necessary

