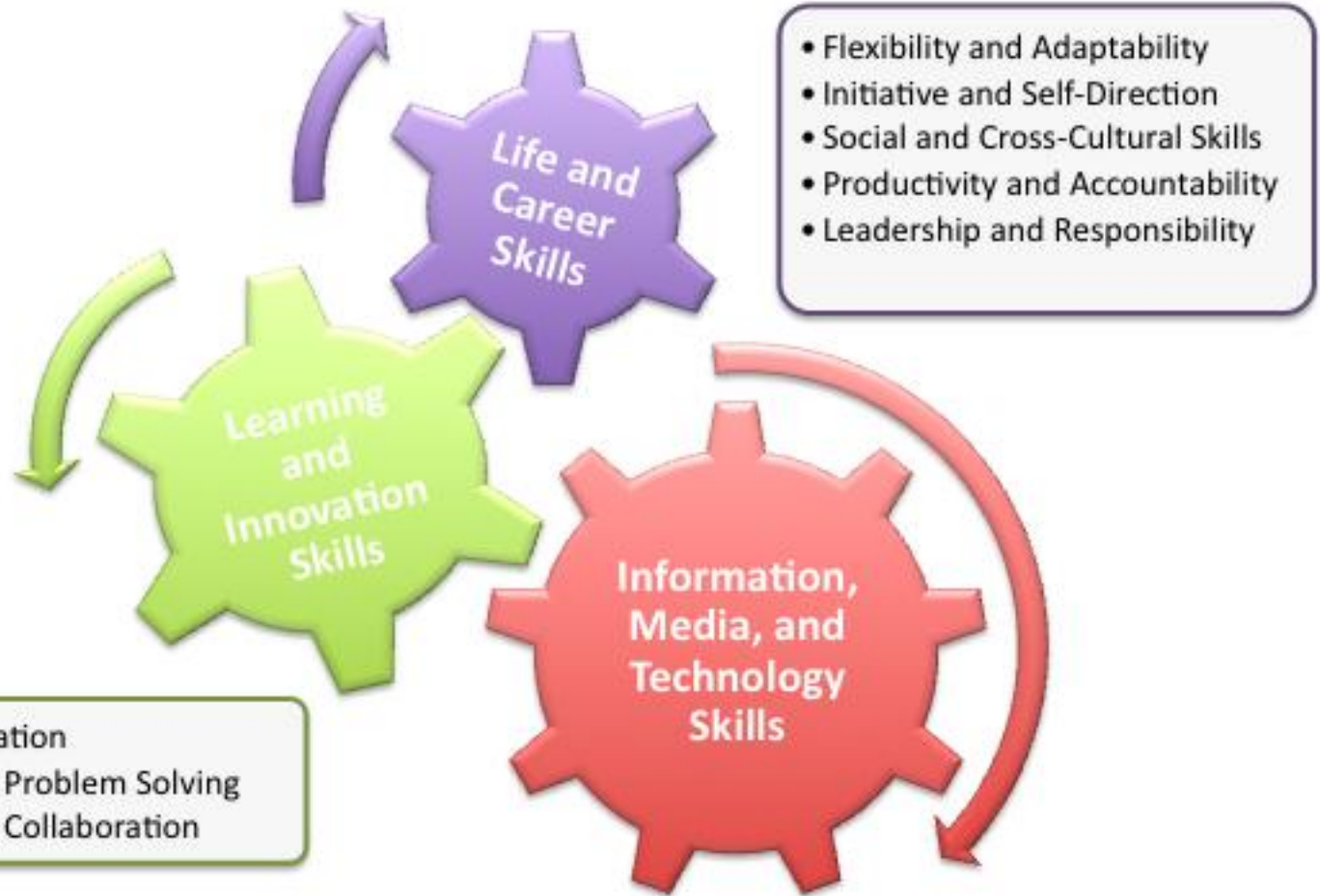


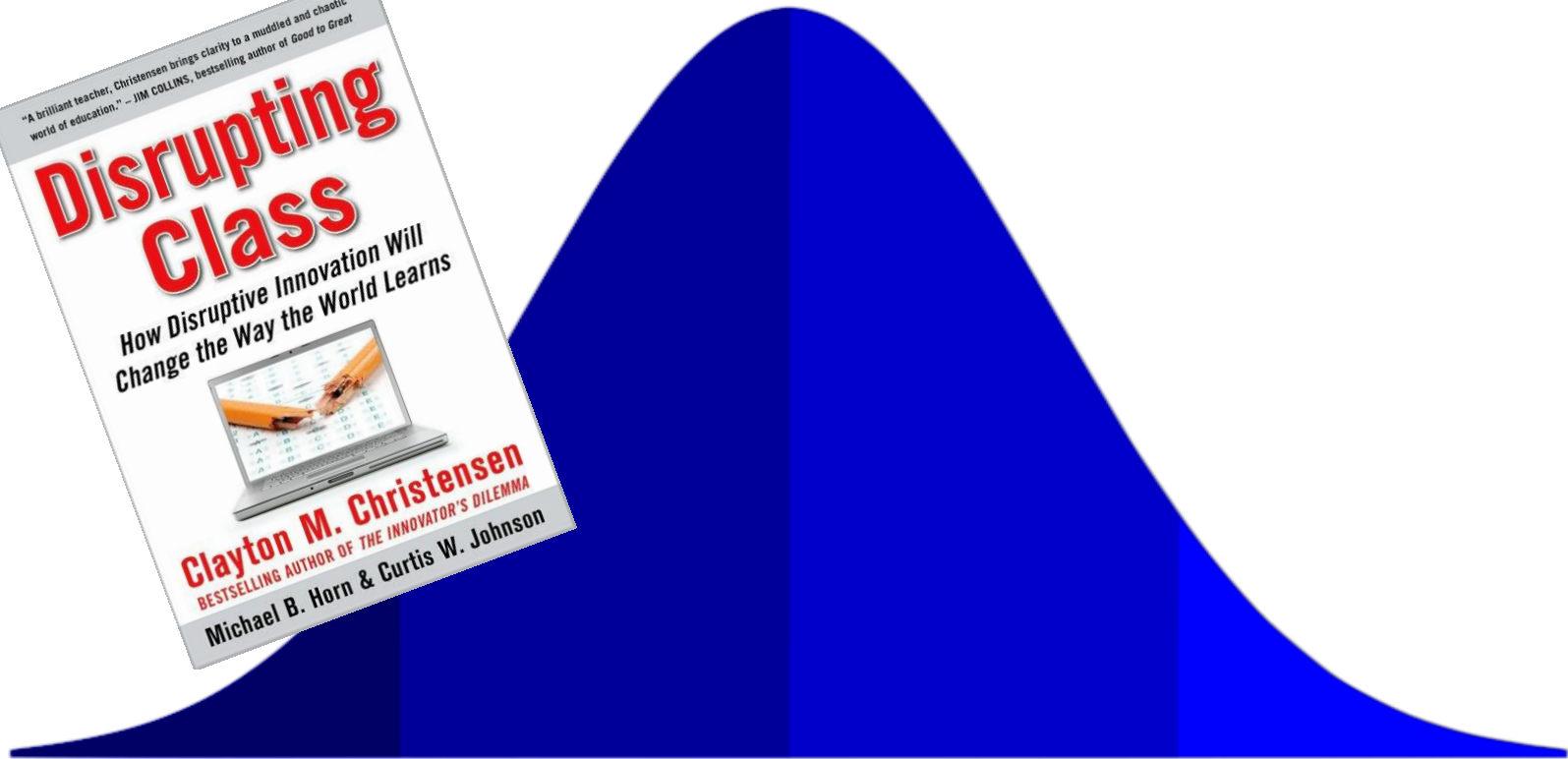
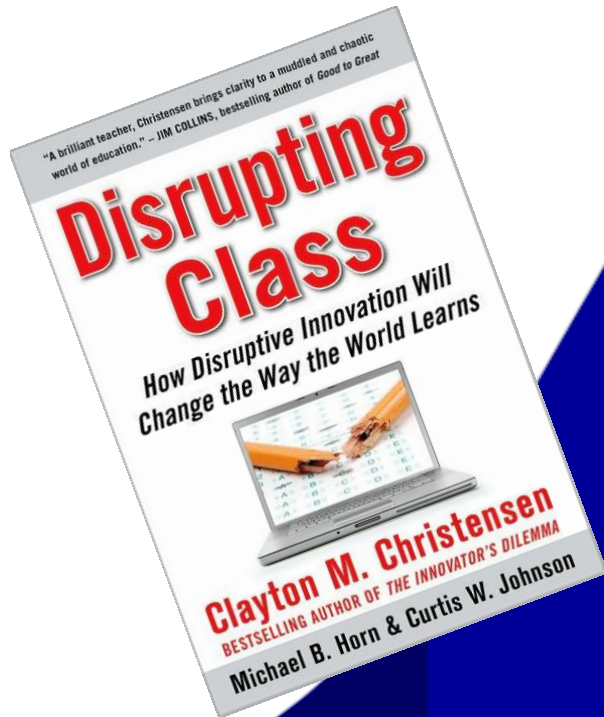
# *Data Driven Decision Making ( $D^3M$ )*

Sharnell Jackson, President  
Data-Driven Innovations Consulting Inc.

# 21<sup>st</sup> Century Skills



# Industrial Age Education

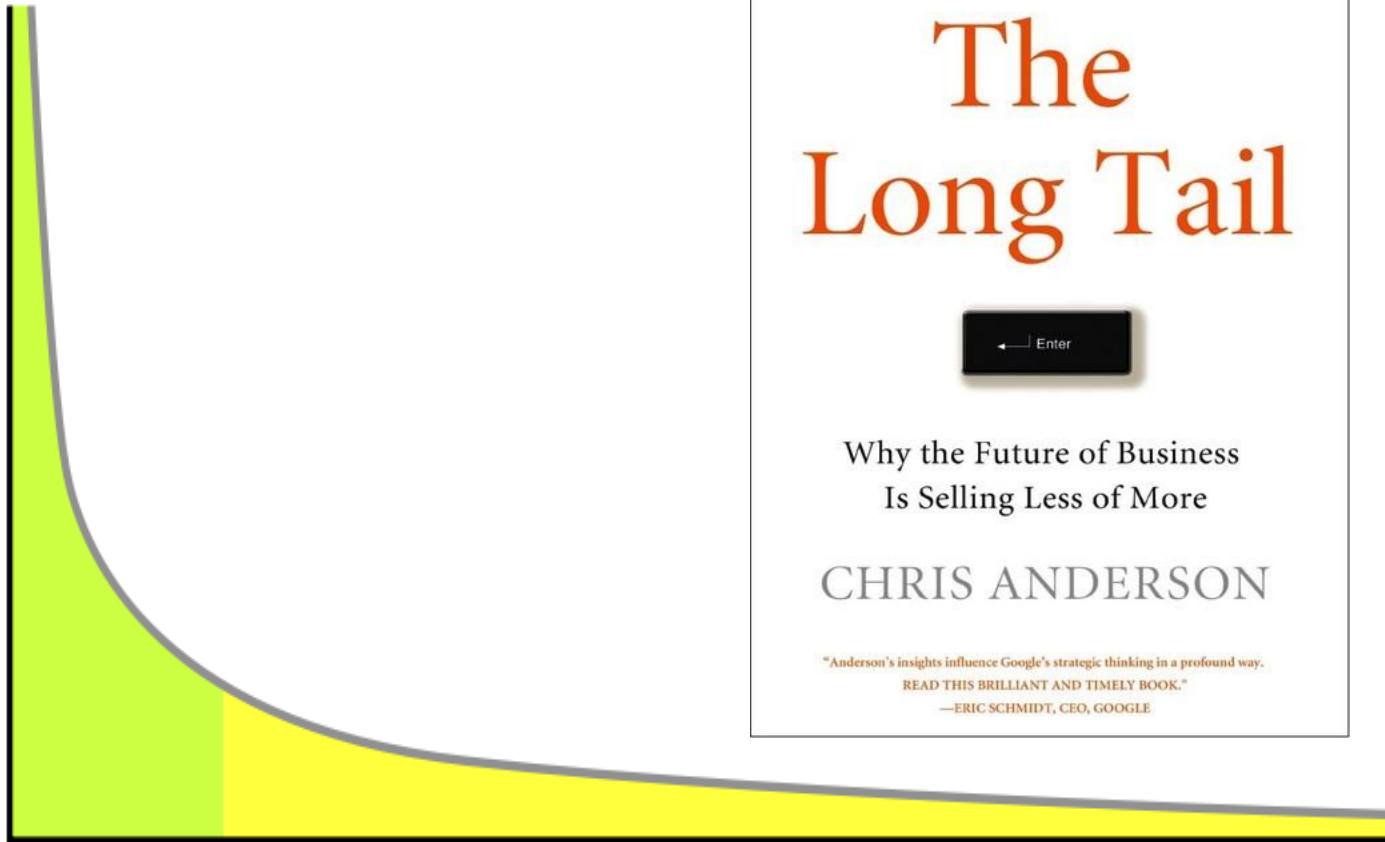


Credit  
Recovery

One-Size-Fits-All

Advanced  
Placement

# Long-Tail Learning



*How Endless Choice Is Creating Unlimited Demand*

## The Long Tail



Why the Future of Business  
Is Selling Less of More

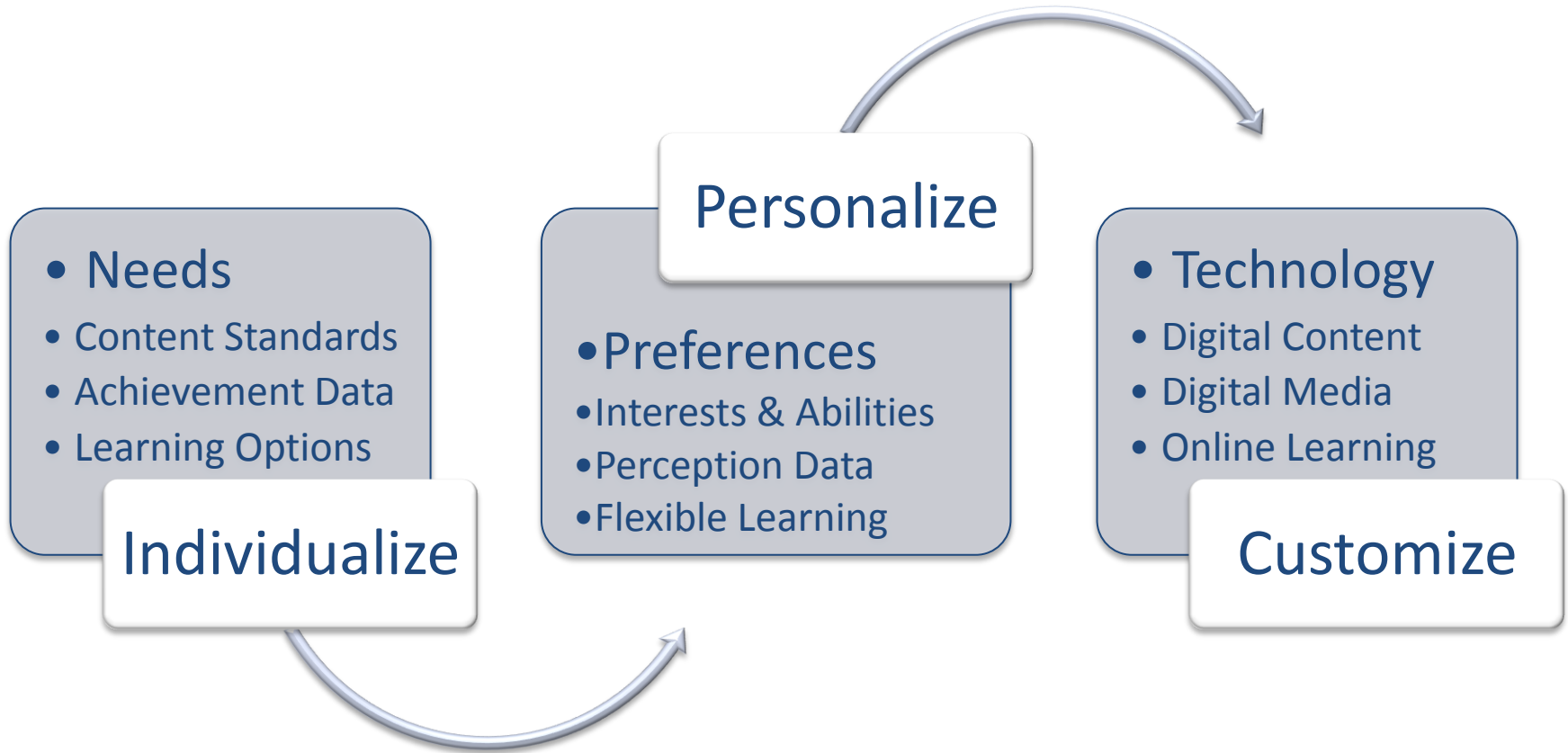
CHRIS ANDERSON

*"Anderson's insights influence Google's strategic thinking in a profound way.*

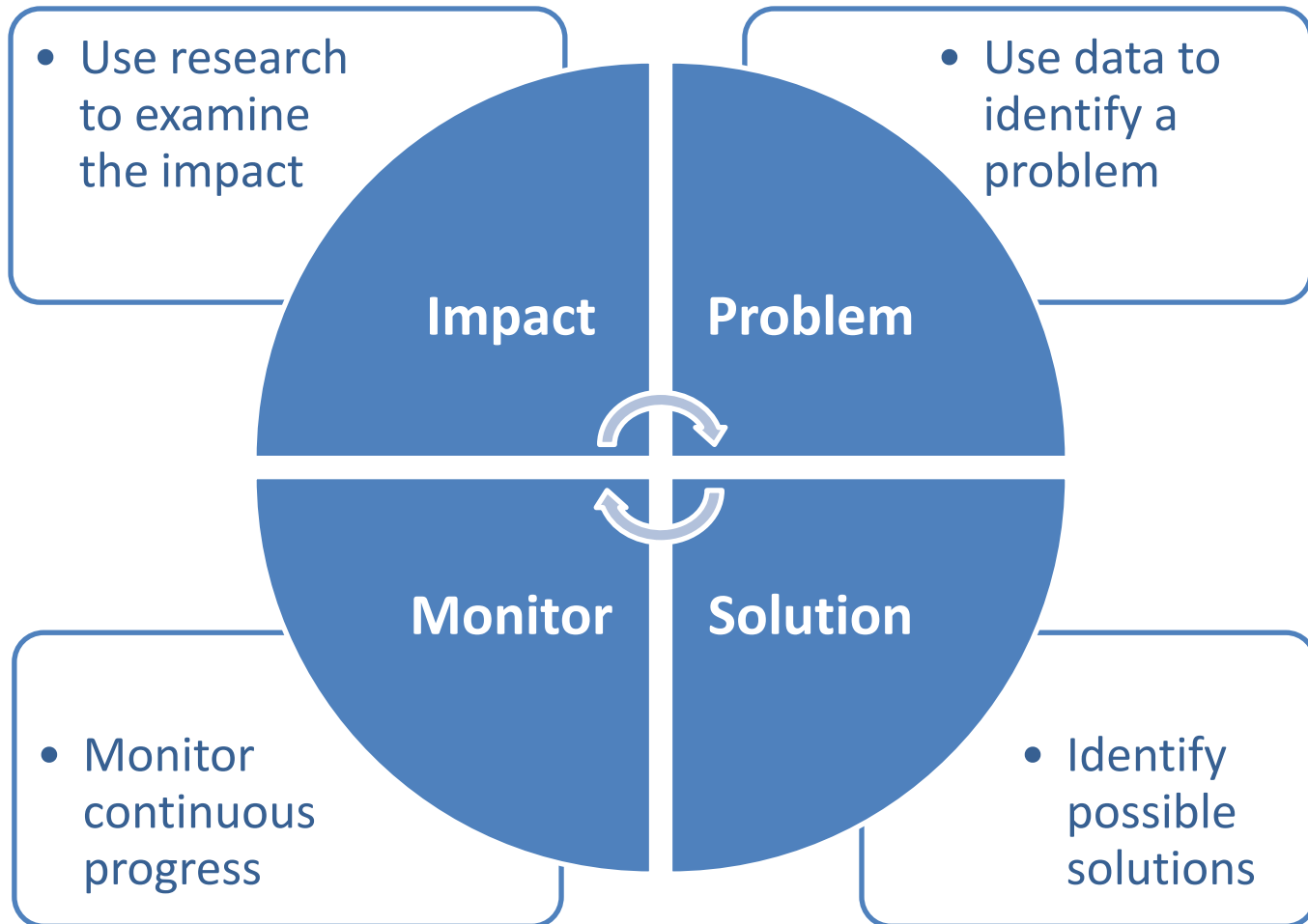
*READ THIS BRILLIANT AND TIMELY BOOK."*

*—ERIC SCHMIDT, CEO, GOOGLE*

# 21<sup>st</sup> Century Learning

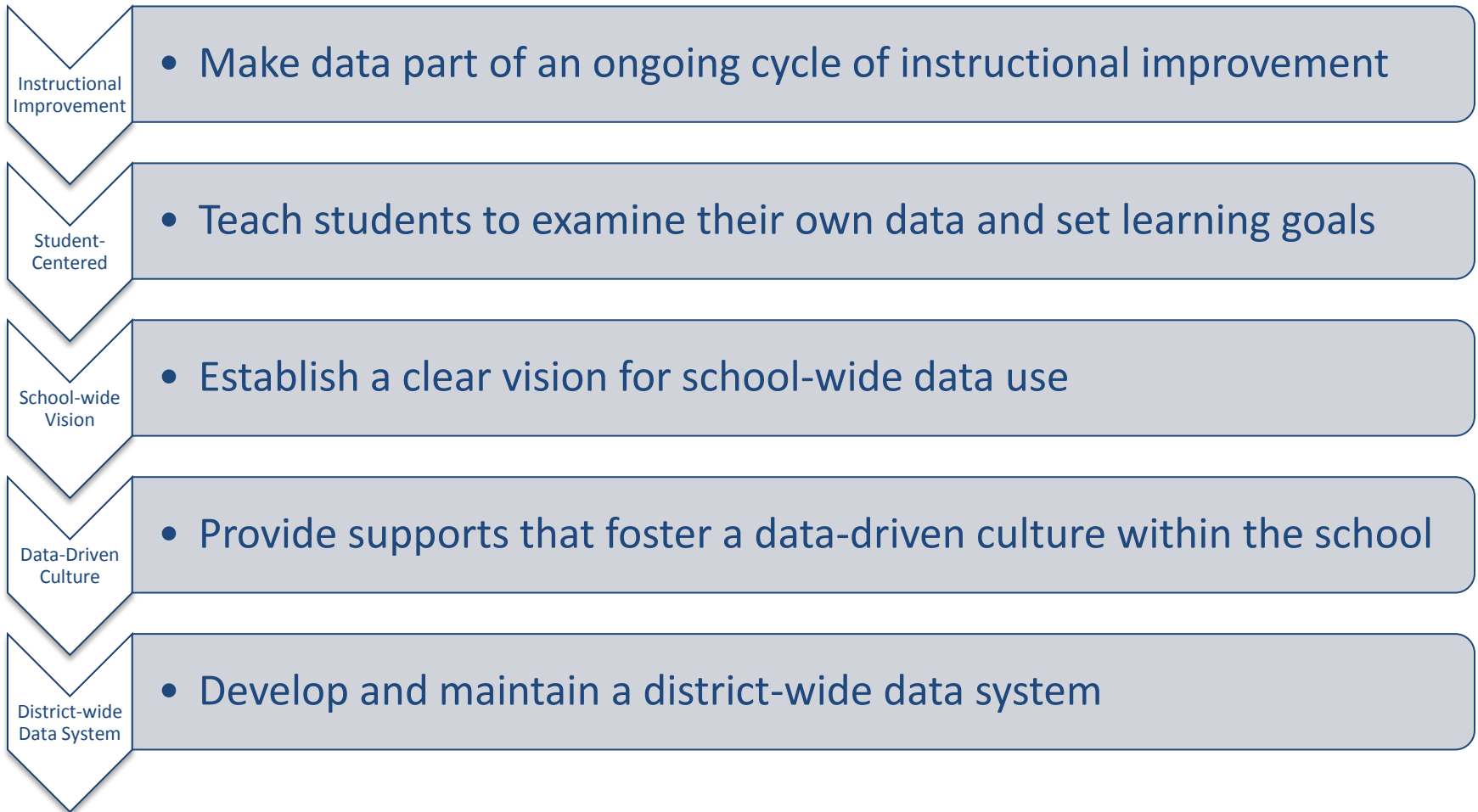


# Continuous Improvement Process

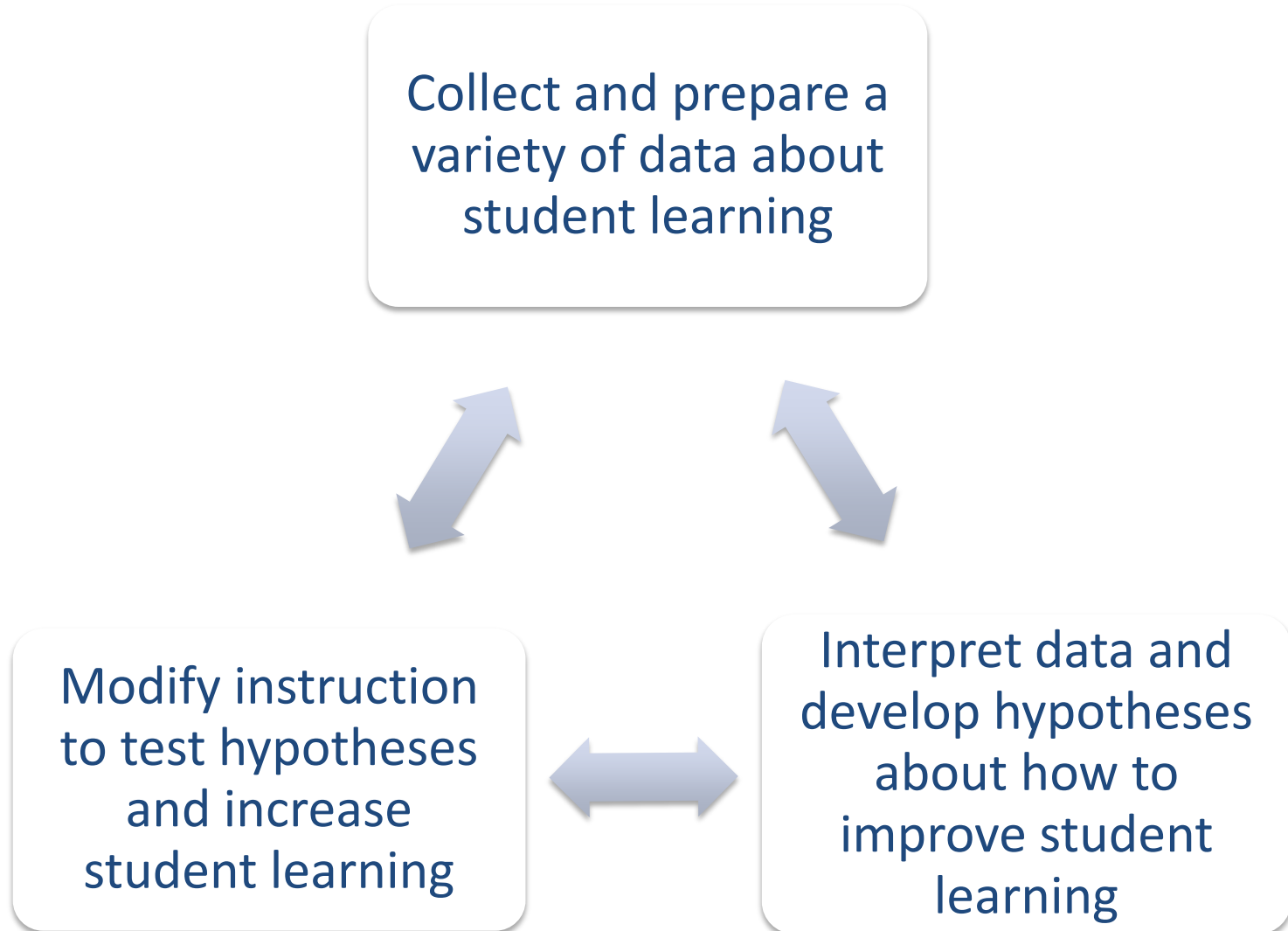


# Recommendations and Actions

## Steps for Student Data Use



# Instructional Improvement



# Student-Centered Approach

Explain expectations and assessment criteria



Provide feedback that is timely, specific, well formatted, and constructive



Provide tools that help students learn from feedback to enable individualization



Use students' data analyses to guide instructional changes and learning options

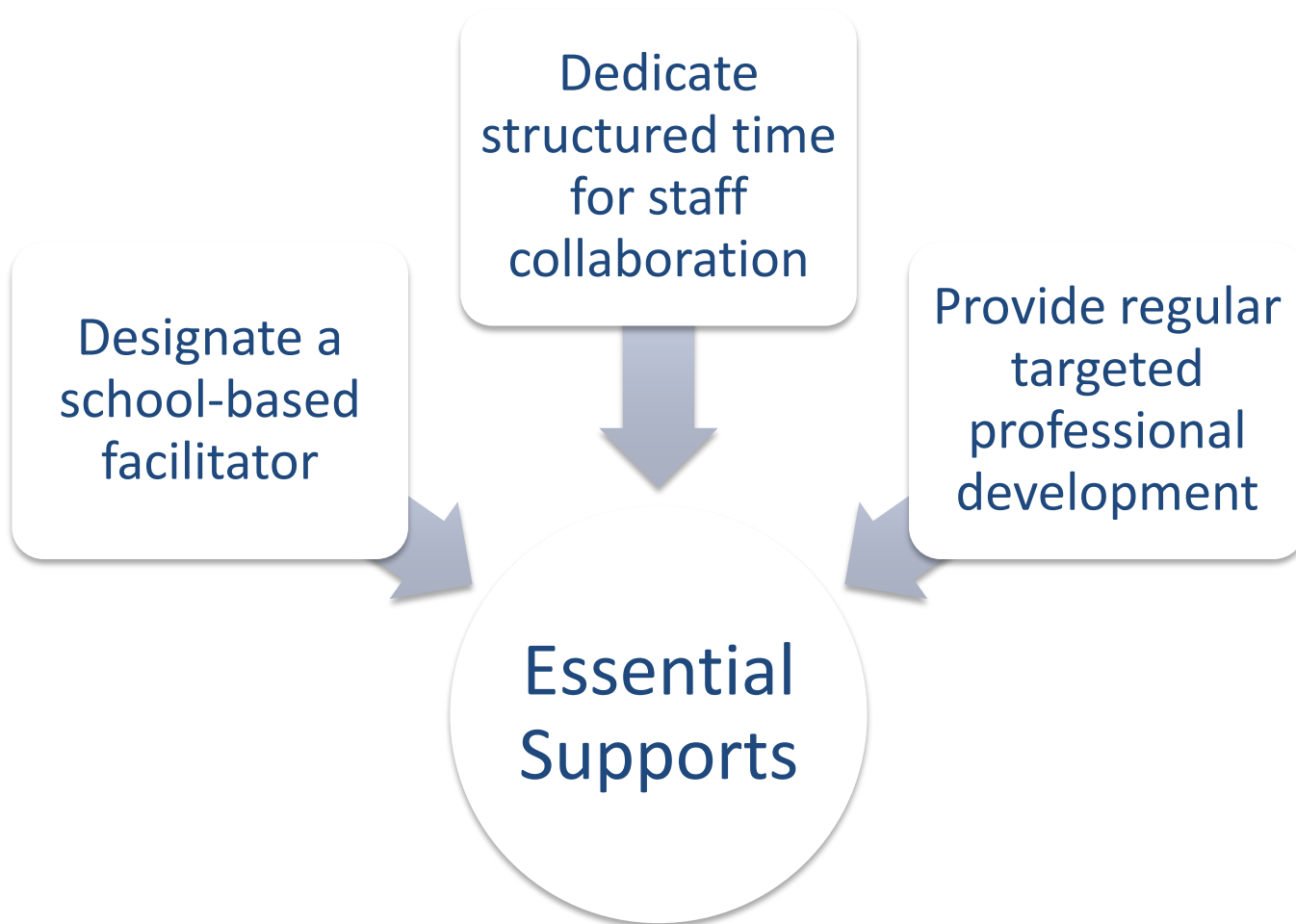
# Clear School-wide Vision



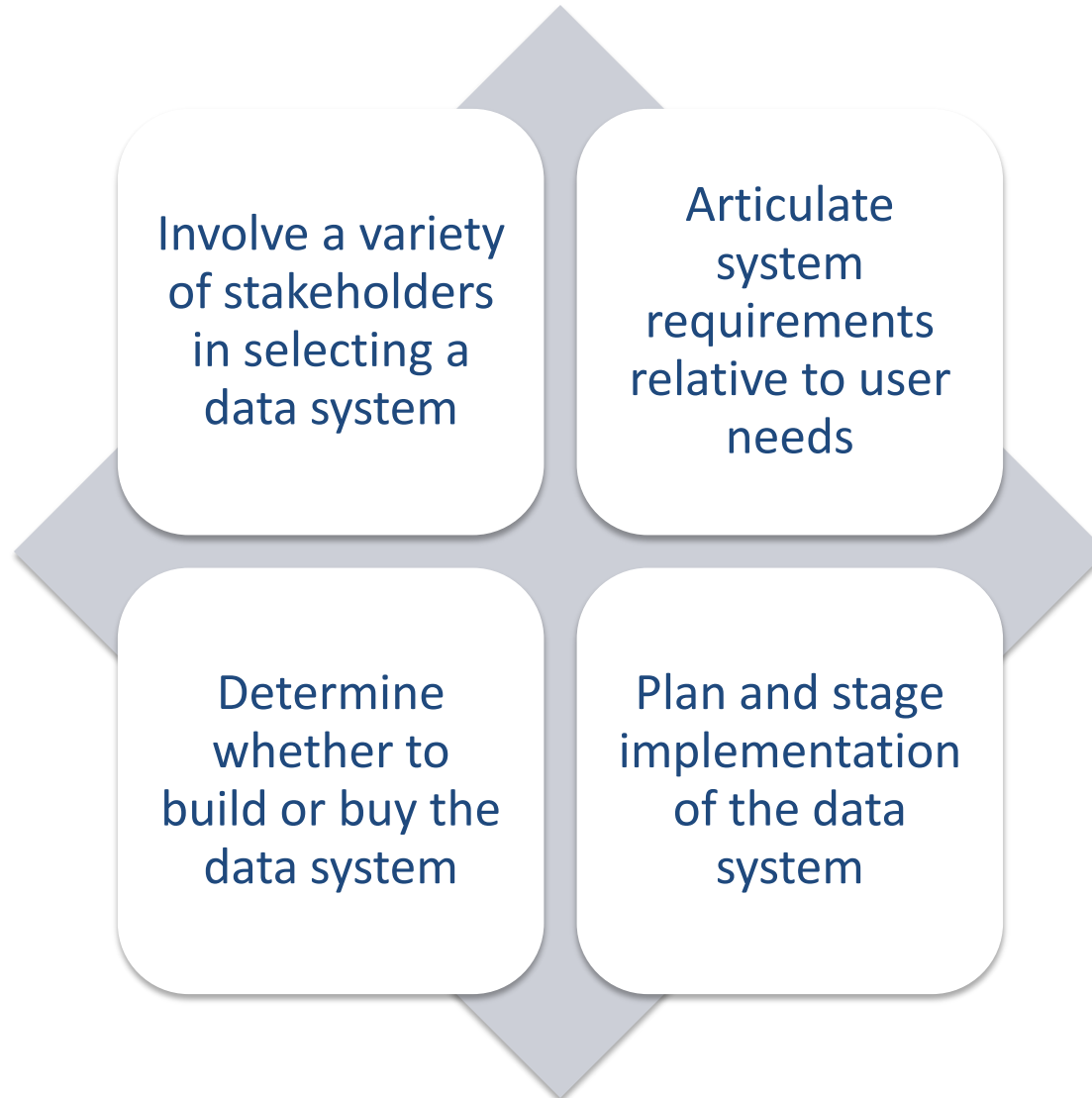
## Vision for Data Use

- Establish a school-wide data team for ongoing data use
- Define critical teaching and learning concepts
- Develop a written plan that articulates activities, roles, and responsibilities
- Provide ongoing data leadership

# Data-Driven Culture



# District-wide Data System



# DDDM Practice Guide

Contains only rigorous research and does not report on formative case studies

Resource for data-driven making in the context of achievement data

Focuses primarily on the classroom teacher and to a lesser degree, the school

# Assessment and Instruction

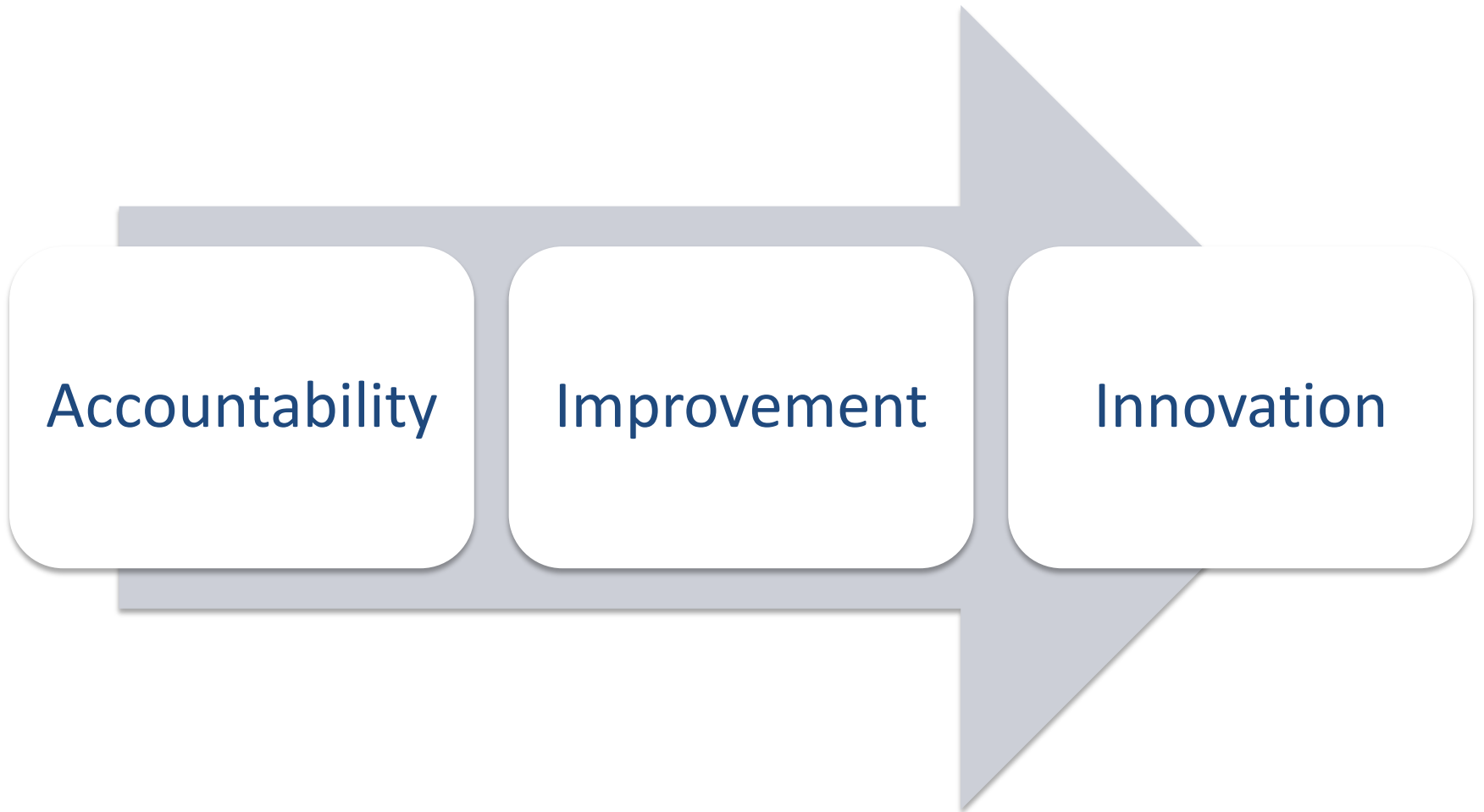
## Summative

- Does not readily translate into actionable instructional next steps for teachers

## Formative

- Better aligned to classroom instruction, student learning needs, progress monitoring, and personalization

# Data-Driven Decision-Making



# Data-Driven Innovation



# Comprehensive Approach

## District

- Data System Planning and Implementation

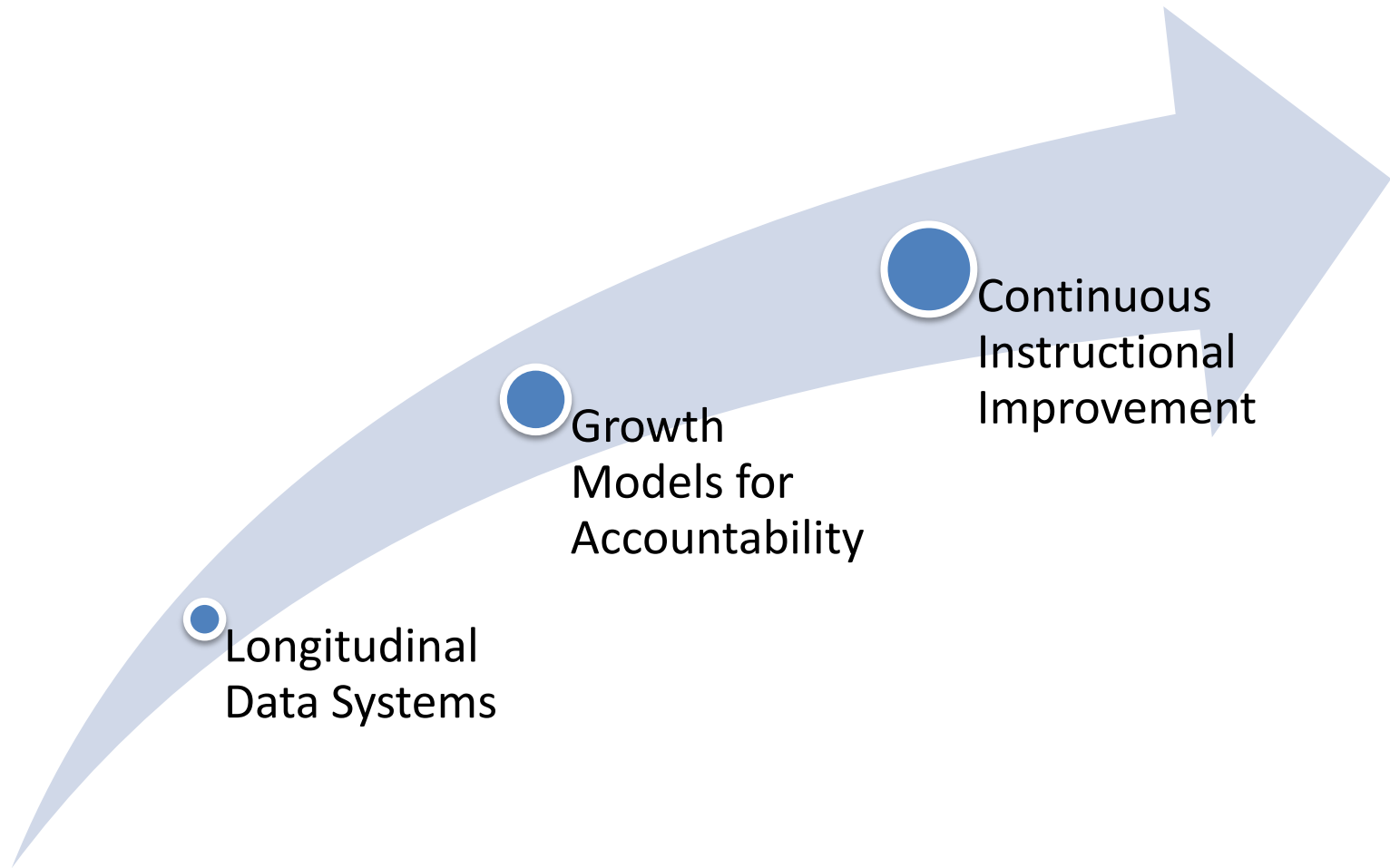
## School

- Supports for a Data-Driven Culture
- Clear School-wide Vision for Data Use

## Classroom

- Student-Centered Data Use, Learning Goals, and Online Options
- Continuous Instructional Improvement and Individualized Approaches

# Data-Driven Innovation Over Time



# U.S. Department of Education Institute of Education Sciences (IES) What works Clearinghouse Practice Guides

- ▶ Using Student Achievement Data to Support Instructional Decision Making – Available 9-29-09
- ▶ <http://ies.ed.gov/ncee/wwc/publications/practiceguides/>
- ▶ Practice guides provide practical recommendations for educators to help them address the everyday challenges they face in their classrooms and schools.

# Challenges and Opportunities

We're going to be much tighter on the goals — again, clear, college-ready, career ready, internationally benchmarked standards...but give states and districts more autonomy and chance to innovate, to hit that high bar, hold them accountable for it....

*Secretary of Education Arne Duncan*

- School Improvement Fund
- Enhancing Education Through Technology
- Investments in Innovation



# Emerging Technologies

## **HORIZON REPORT**

2009 K-12 EDITION

The New Media Consortium

# Time-to-Adoption Horizons

1 Year or  
Less

- Collaborative Environments
- Online Communication

2 to 3 Years

- Mobile Devices
- Cloud Computing

4 to 5 Years

- Smart Objects
- The Personal Web