Teacher Effectiveness & Big Data

Big Data “Fever”
Private Sector and the Field of Education

Online Tools
Instructional Improvement Systems

Capacity to Launch
Implementation and Training

Focus & Balance
Leadership Decisions

Building the Culture
Teacher Buy-In
Building a Data Culture

**OAPCS works with schools to define goals.**

Goals are re-assessed and the process begins again.

**OAPCS trains teachers and administrators in data management and analysis.**

**OAPCS installs Illuminate Education Instructional Improvement System (IIS) and uploads all data including but not limited to: state assessments, school and classroom assessments, vendor assessments, student demographics, etc.**

**Process Loop**
- Goals
- Assessments
- Data Analysis
- Instructional Revisions
- New Goals

**TEACHERS**
Input and analyze assessment data.
Collaborate in team meetings and share best practices.
Revise instruction based on data analysis.
Implement student-based action plans in classrooms.

**ADMINISTRATORS**
View and analyze assessment data.
Build progress reports.
Oversee and monitor results.

**STUDENTS**
Complete assessments.
Analyze their results.
Monitor growth and achievement.

**STATE DATA**
- OGT
- OAA
- AASWD
- OTDA
- KRA-L

**CLASSROOM ASSESSMENTS**

**SIS SYSTEMS**
- DASL
- PowerSchool

**VENDOR ASSESSMENTS**
- SCANTRON
- ACT
- ACUITY
- AIMSweb
- TerraNova
- ACT EXPLORE
- AP
textbooks
Building a Data Culture

Goals

OAPCS works with schools to define goals.
Building a Data Culture

Assessments

OAPCS trains teachers and administrators in data management and analysis.
Building a Data Culture
Assessments

OAPCS installs Illuminate Education Instructional Improvement System (IIS)
Uploading data: state assessments, school and classroom assessments, vendor assessments, student demographics, et al.
Building a Data Culture

Data Analysis & Instructional Revisions

ADMINISTRATORS
View and analyze assessment data.
Build progress reports.
Oversee and monitor results.

TEACHERS
Input and analyze assessment data.
Collaborate in team meetings and share best practices.
Revise instruction based on data analysis.
Implement student-based action plans in classrooms.
Differentiate instruction to meet the needs of every child.

STUDENTS
Complete assessments.
Analyze their results.
Monitor growth and achievement.
Building a Data Culture

New Goals

Goals are re-assessed and the process begins again.
Building a Data Culture

PROCESS LOOP
Goals
Assessments
Data Analysis
Instruction Revision
New Goals
on your own or school-wide...

GATHER DATA

WHAT IS THE DATA TELLING YOU?

in team meetings...

ANALYZE DATA, PRIORITIZE NEEDS, & SET SMART GOALS

CHOOSE INSTRUCTIONAL STRATEGIES

in the classroom...

ASSESS STUDENTS & REFLECT

INSTRUCT & MONITOR IMPACT

DETERMINE SUCCESS INDICATORS
Conclusion

Big data in schools only works if:
1. the integration process is smooth
2. the leaders commit to changing school culture
3. there is a regular practice of using data, sharing strategies, and creating action plans that drive individualized instruction