

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

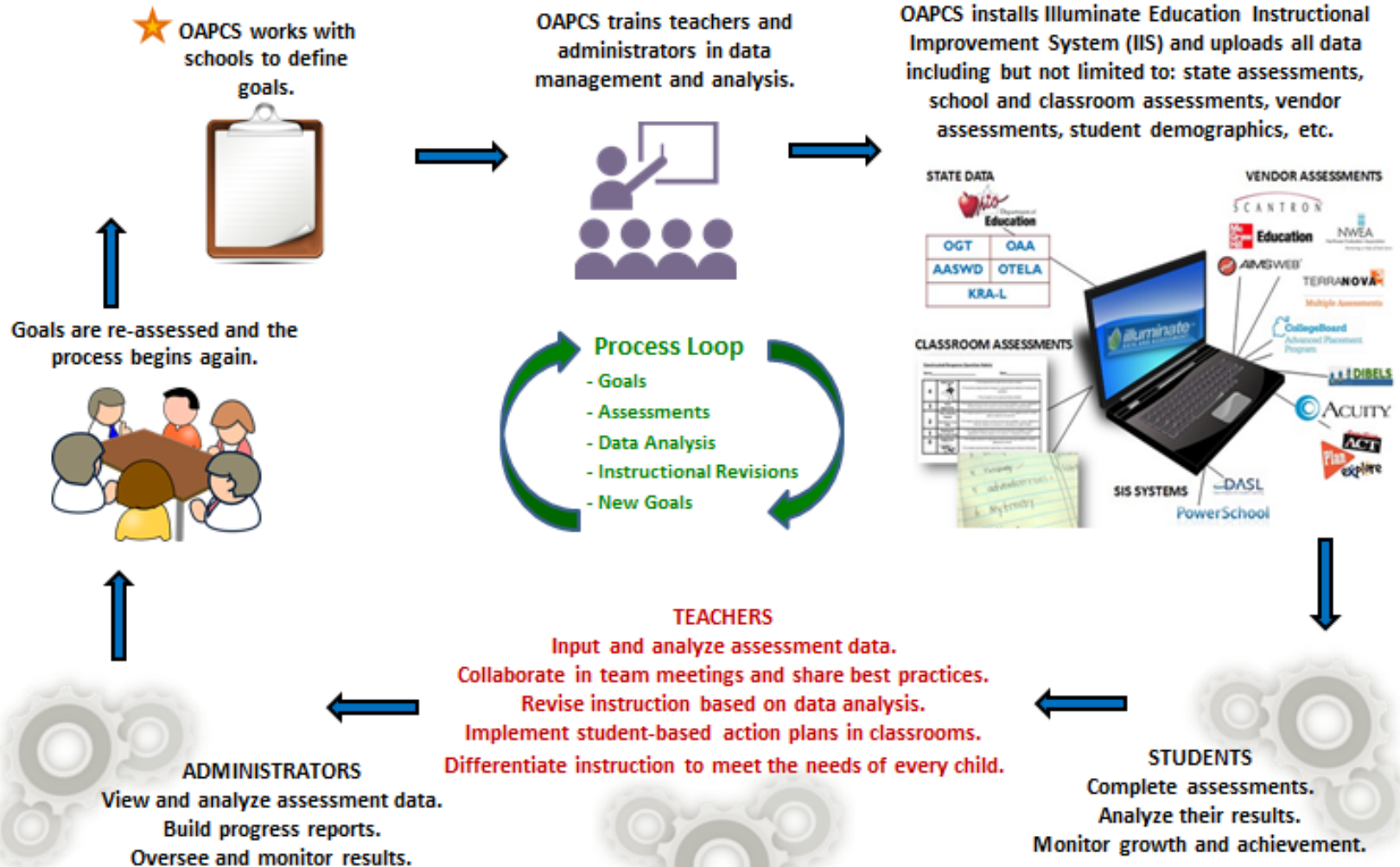
Focus & Balance

Leadership Decisions

Building the Culture

Teacher Buy-In

Building a Data Culture



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)

Uploads 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.

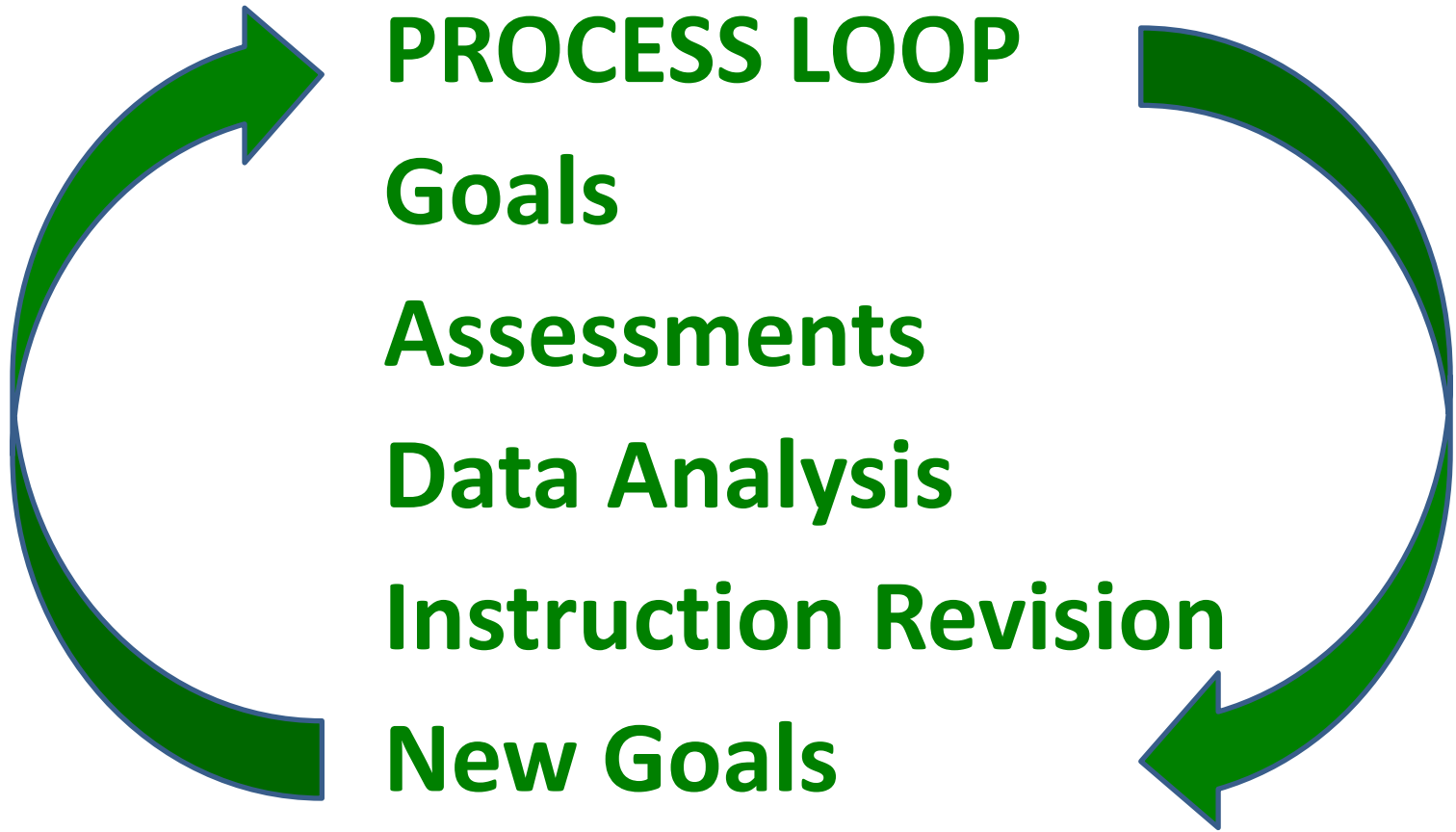
Building a Data Culture

New Goals

Goals are re-assessed and the process begins again.



Building a Data Culture



*on your own or
school-wide...*

GATHER DATA



in team meetings...

ASSESS STUDENTS
& REFLECT

ANALYZE DATA,
PRIORITIZE NEEDS,
& SET SMART GOALS



WHAT IS
THE DATA
TELLING YOU?

INSTRUCT
& MONITOR IMPACT

CHOOSE
INSTRUCTIONAL
STRATEGIES

DETERMINE SUCCESS
INDICATORS



in the classroom...



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