

# Bill and Melinda Gates Foundation Momentum Grant Project

## Instructional Improvement System (IIS) Project Review

This presentation was prepared by an independent consulting firm for the Bill & Melinda Gates Foundation. While the data and analysis contained in this document were used to inform the foundation, it is not a representation of the current grant-making strategy.

For more information on the foundation's strategy, please visit:  
[www.gatesfoundation.org/education](http://www.gatesfoundation.org/education)



# Project Background

# Overview

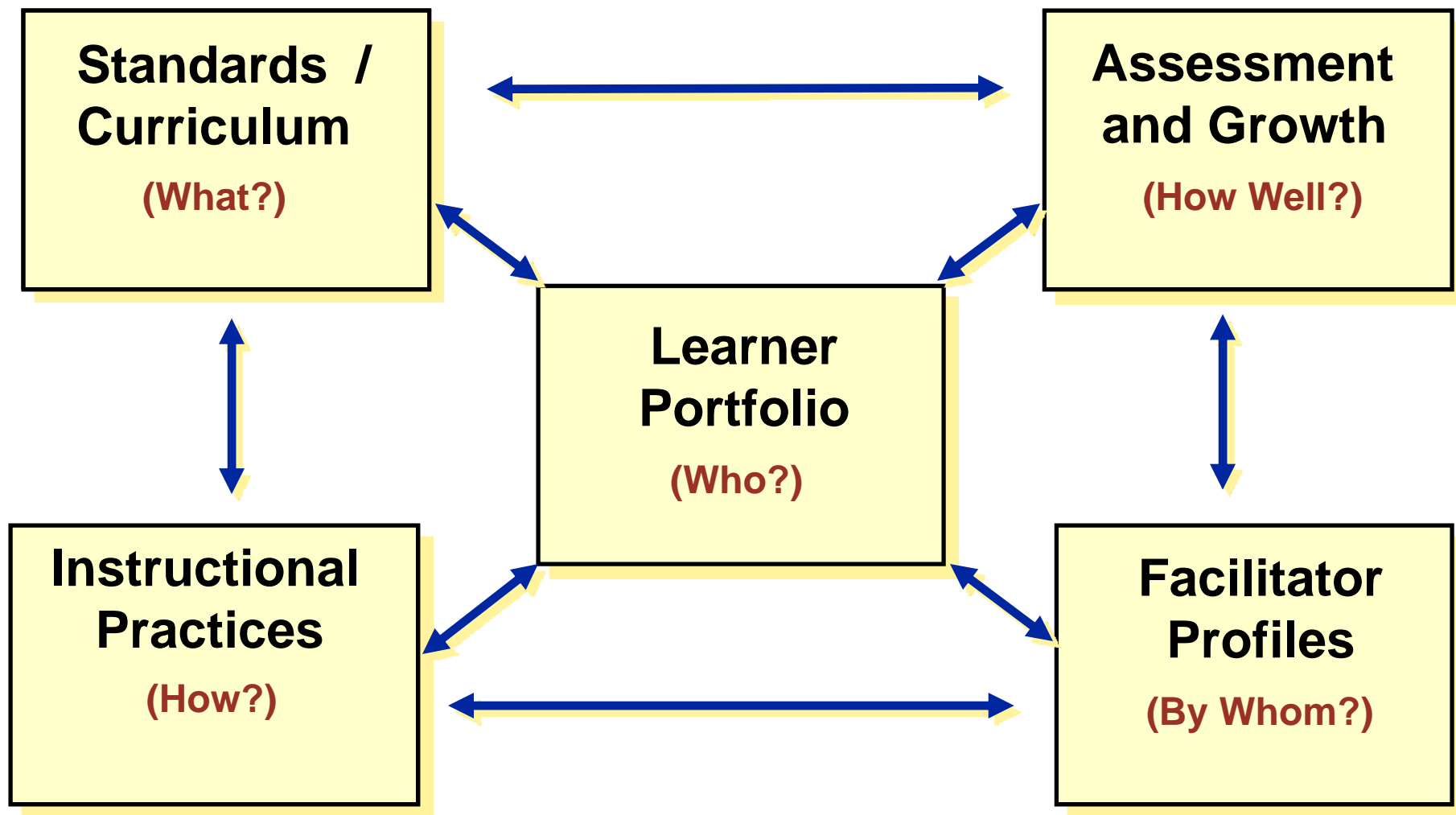
- The IIS Project is funded by the Bill & Melinda Gates Foundation to support the Florida and Ohio DOE and their districts
- The main focus is to develop functional requirements and performance specifications for an Instructional Improvement System (IIS)

# Project Activities/Timeline

- Regional Seminars in Cincinnati, Columbus, and Cleveland – Jul 2010
- Developed Conceptual Model – Sep 2010
- Review Webinars – Oct 2010
- Fall Institute for FL/OH participants – Nov 2010
- Second-round Webinars – Nov 2010
- IIS Functional Requirements – Dec 2010
- Vignettes on effective use of an IIS/LMS application – Jan 2011

# Conceptual Model

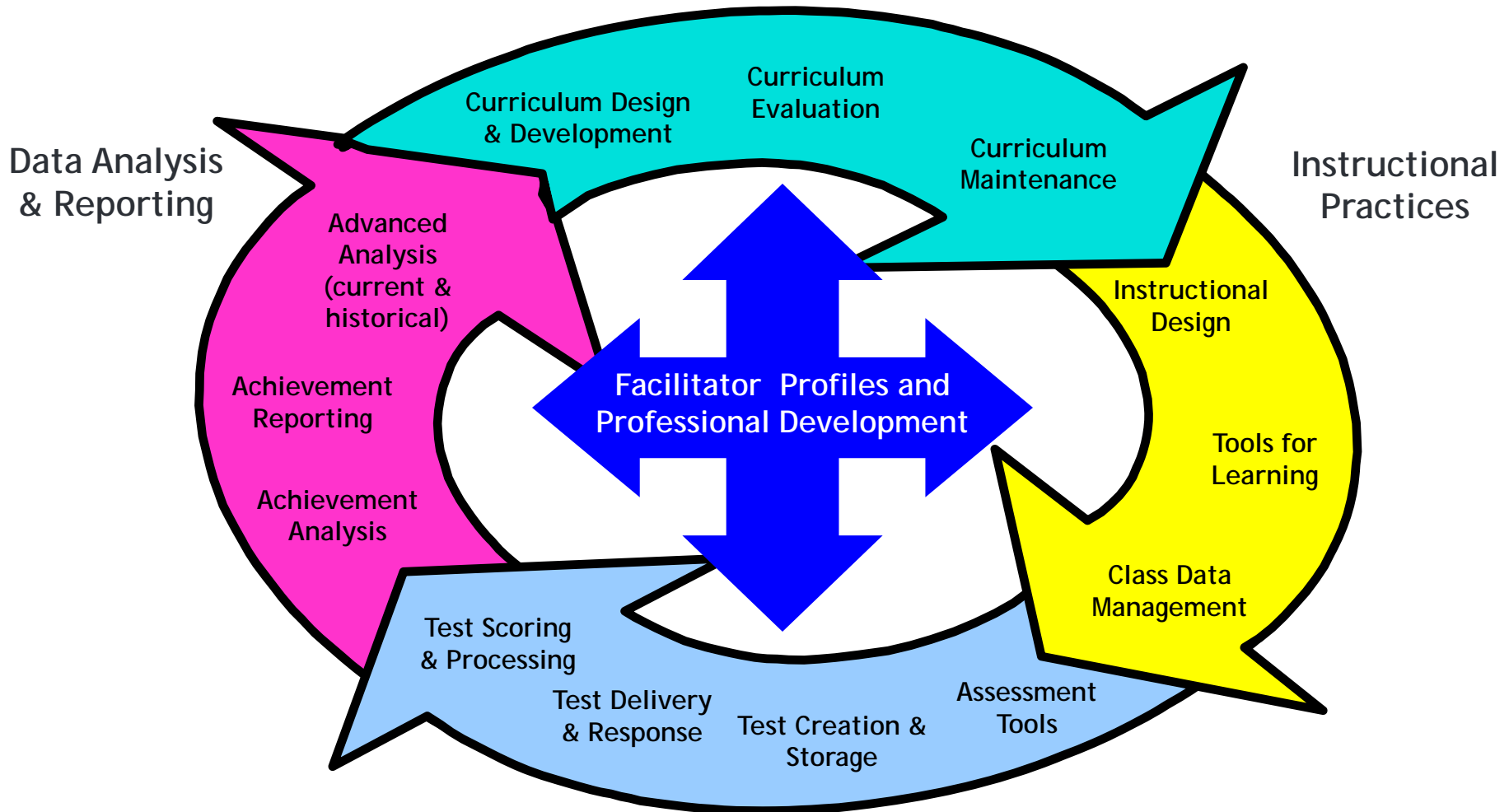
# IIS Conceptual Model



# Operational Model

# IIS Operational Model

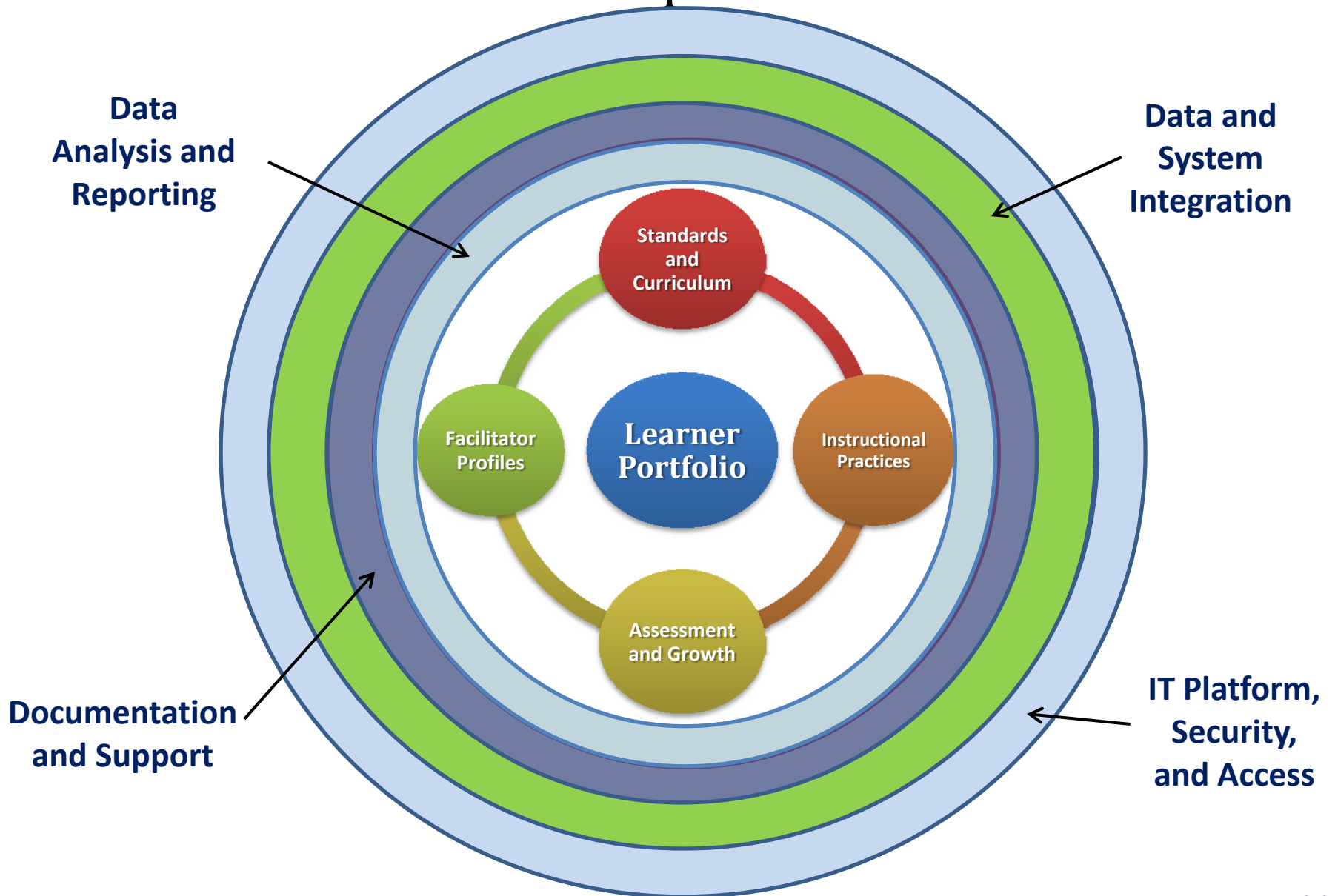
Standards and Curriculum



Assessment and Growth

# Key Components

# Instructional Improvement System - Key Components



# Functional Requirements

# 1. Standards and Curriculum

Standards/  
Benchmarks

Curriculum Design and  
Management

Curriculum  
Review and  
Revision

Standards  
Management

Standards  
Alignment

Content  
Authoring

Curriculum  
Maps

Resource  
Management

Standards  
Coverage

Curriculum  
Fidelity

## 2. Instructional Practices

Develop and  
Plan

Plan book and  
Lessons

Instructional  
Delivery

Class  
Management

Search for  
and view  
resources

Entry and  
approval  
of  
teacher-  
submitted  
content

Link to  
existing  
curriculum

Lesson  
Plan  
creation

Integrated  
learning  
systems

Content  
manage-  
ment  
systems

Schedule

Calendar

# 3. Assessment and Growth

Item  
Creation

Assessment  
Authoring  
and Creation

Assignment and Delivery

Scoring

Organization

Item Bank

Authoring  
Tool

Schedule

Deliver

Automated  
and Manual  
Scoring

Standards-  
based  
grading

# 4. Facilitator Profiles

Staff  
Proficiencies

Individual  
Staff  
Development  
Plans

Staff  
Development  
Programs

Program  
Management

Reporting

Proficiency  
Management

Development  
and  
Maintenance

Program  
Delivery

Registration  
and Tracking

Participation  
and  
Proficiency  
Attainment

# 5. Learner Portfolio

Demographics  
and Grades

Assessment  
Information

IEP/ILP  
Learning Styles

Portfolios

SIS  
Demographic,  
Staff  
Information

State and 3<sup>rd</sup>  
Party  
Assessments

IEP/ ILP/  
504

Learning  
Style  
Inventory

Sample  
Work,  
Projects

# 6. Data Analysis and Reporting

Teacher  
Perspective

Administrator/Principal  
Perspective

Parent  
Perspective

Student  
Perspective

Common  
Reporting  
Capabilities

Graphical,  
Trends, and  
Growth

Longitudinal

School and  
Grade-level  
Comparison

Portal

Access to  
information

Access to all  
data

# 7. Documentation, Training and Support

Print/  
Online

Live Trainer

Webinar/Video  
Training

End  
User  
Support

Technical  
Support

Manuals,  
FAQs,  
Quick  
reference

Train-the-  
trainer

Coaching /  
Mentoring

Videos

Self-  
paced  
training

Helpdesk

Tiered  
support  
structure

# 8. Data and Systems Integration

Application Integration

Data and System Standards

SIS

Fin/HR

SPED

LIS

ILS

SCORM

SOAP

QTI

# 9. IT Platform, Access and Security

General Features

Scalability

Data Security

Data Access

Application Requirements

Database Requirements

Current and Archived Data

Data Encryption

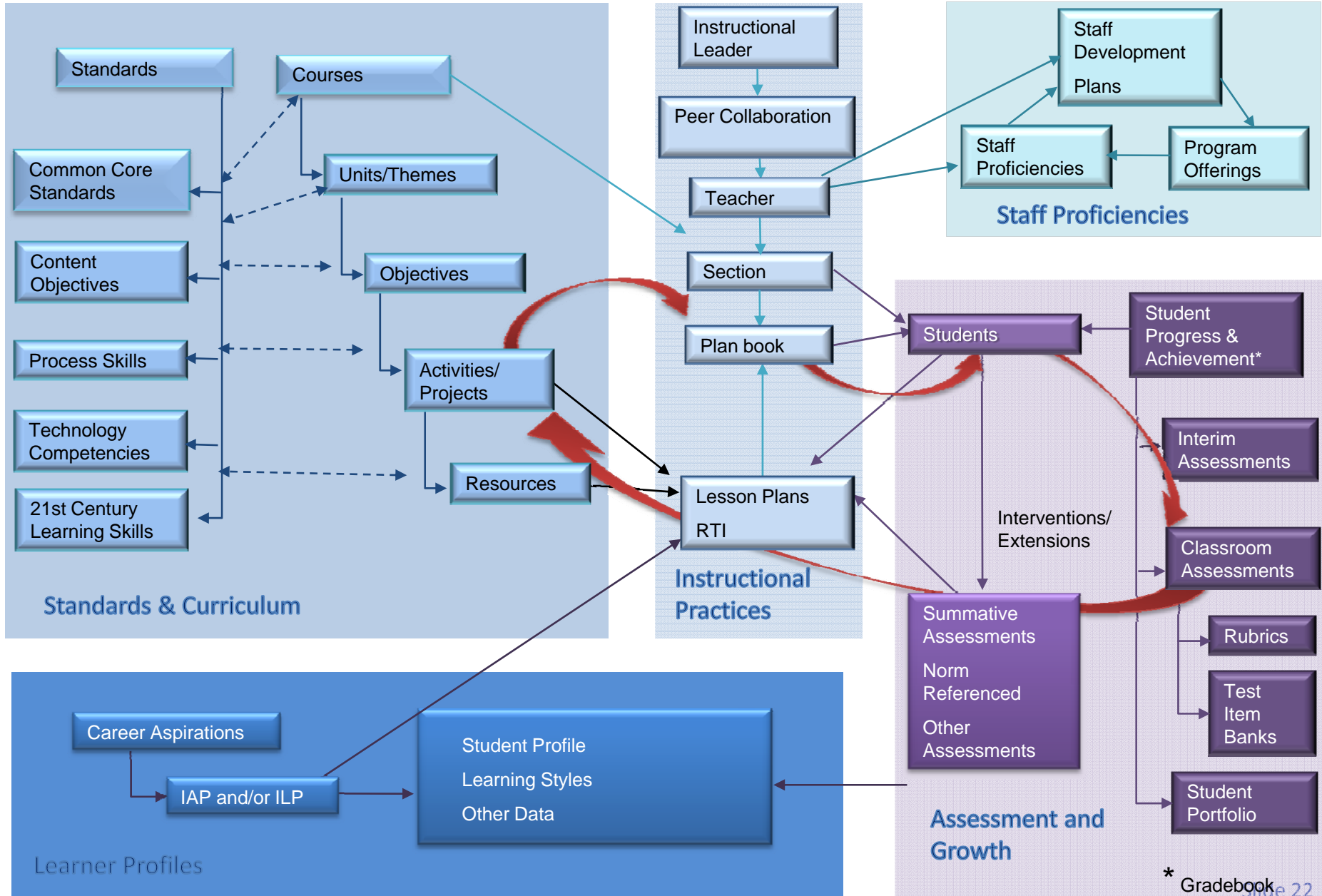
System Monitoring

Single Sign-on Access

Roles, Permissions, and FERPA

# IIS Process Flow

# Instructional Improvement System



\* Gradebook

# Questions?

# How can you contact CELT?

---

## **Ohio Project Lead:**

### **Mr. Donald J. Ginder**

E-mail: [dginder@celtcorp.com](mailto:dginder@celtcorp.com)

Cell: (614) 306-8635

Fax: (508) 624-6565

## **Florida Project Lead:**

### **Dr. John R. Phillip**

E-mail: [jphillipo@celtcorp.com](mailto:jphillipo@celtcorp.com)

Office: (508) 624-4474 ex. 1207

Fax: (508) 624-6565

## **Center for Educational Leadership and Technology (CELT)**

65 West Boston Post Road, Suite 200

Marlborough, Massachusetts 01752

Website: [www.celtcorp.com](http://www.celtcorp.com)