ISTE 2014:
Personalized Learning: A District Wide Approach

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Get Connected

* Welcome and Introductions
* Resources
* http://fraseriste.weebly.com/

Today's Agenda

Creating Innovation Around the Why: Fraser Public School's Story

* Why Redesign?
* Curriculum Redesign and Universal Design for Learning
* The Role of Professional Development
* Resources
* Next Steps and Q and A

Fraser Public Schools

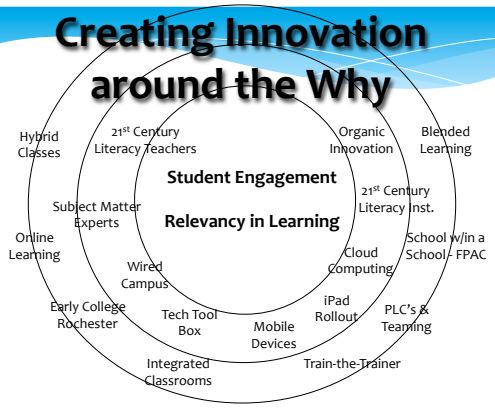
- Located in Macomb County, Michigan – Suburb of Detroit
- Student Enrollment: 5,356 students
- Free and Reduced: 47%
- Bilingual Students: 2%
- Currently implementing 1:1 iPads for grades 3-12 and grades K-3 Classroom sets of 9.
- Full-Roaming WiFi in all buildings and athletic facilities

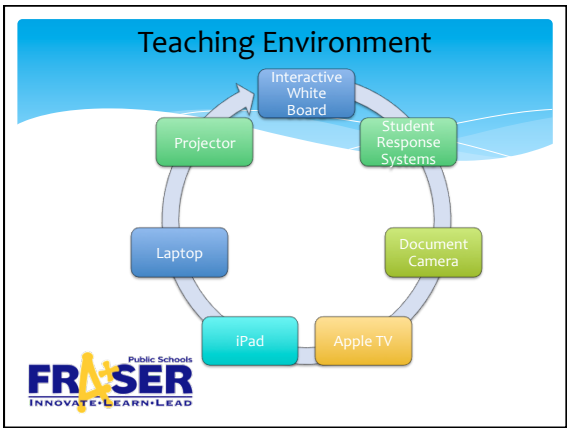
Video

A New Day in Education

http://www.fraser.k12.mi.us/pages/FraserPS/A_New_Day_in_Education

Creating Innovation around the Why




Teaching Environment
Interactive White Board
Student Response Systems
Document Camera
Apple TV
iPad
Laptop
Projector
Public Schools
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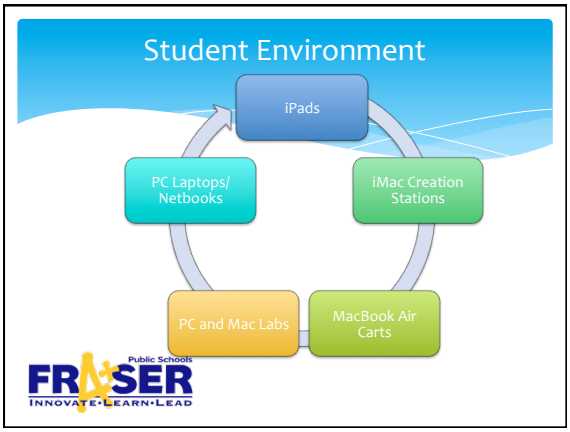
Student Environment
iPads
iMac Creation Stations
MacBook Air Carts
PC and Mac Labs
PC Laptops/ Netbooks
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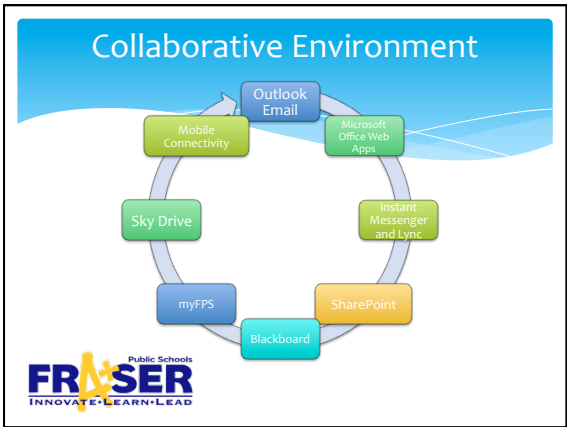
Collaborative Environment
Outlook Email
Microsoft Office Web Apps
Instant Messenger and Lync
SharePoint
Blackboard
myFPS
Sky Drive
Mobile Connectivity
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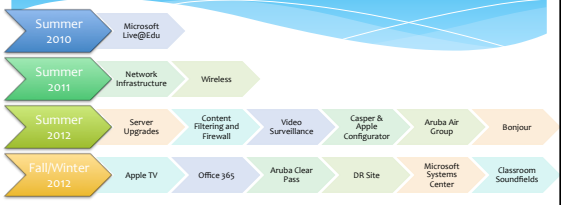
How did we get to this place?

* Curriculum Redesign – Kindergarten thru 12th Grade
* Network Timeline
* Mobile Device Timeline
* **Instructional Support Model**

Network Infrastructure Timeline



1:1 Mobile Computing Timeline

Instructional and Curriculum Timeline

- Curriculum Planning
  - Redesign Committee
  - Hybrid/Online Learning Pilot
  - Universal Design for Learning PD
  - Modern Teacher (*Teacher as Architect*)
- Instructional and Technical Professional Development
  - Mac and iOs Basics - Apple Professional Development
  - 21st Century Teacher - Train the Teacher

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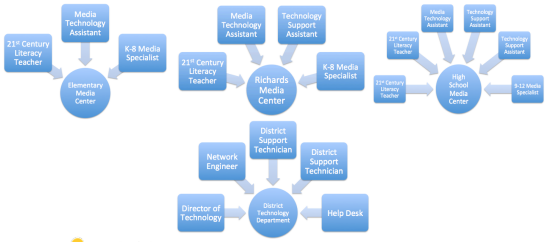
Support Model
Technical and Instructional



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The Role of Professional Development

- 2012 to Present: Universal Design for Learning – On Site 1:1 Coaching
- 2014 to Present: District Wide PD: Modern Teacher

Universal Design for Learning as a Framework for Redesign

* 2011-2012: FPS Staff implements UDL Training through Redesign Committee and District PD.
* 2012-2013: Central and Building Administrators and 21st Century Literacy Teacher lead PD and Coaching Sessions with a focus on UDL.
* 2013-2014: UDL Framework becomes a foundation for Lesson Design as a part of the district Learning Management System.

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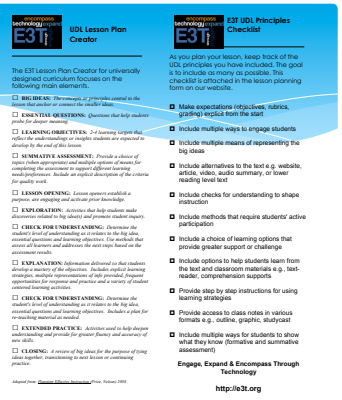
Universal Design for Learning PD Resources

* Universal Design for Learning – Lesson Design and Teacher Modules
  * http://e3t.org/on-line-modules.html
* Blackboard
  * http://fhsteach.weebly.com/

UDL Lesson Plan Bookmark



UDL Lesson Plan Creator

The E3T Lesson Plan Creator for universally designed curriculum focuses on the following main elements.

- ☐ **BIG IDEAS:** *The concepts of principles central to the lesson that anchor or connect the smaller ideas.*
- ☐ **ESSENTIAL QUESTIONS:** *Questions that help students probe for deeper meaning.*
- ☐ **LEARNING OBJECTIVES:** *2-4 learning targets that reflect the understandings or insights students are expected to develop by the end of this lesson.*
- ☐ **SUMMATIVE ASSESSMENT:** *Provide a choice of topics (when appropriate) and multiple options of means for completing the assessment to support different learning needs/preferences. Include an explicit description of the criteria for quality work.*
- ☐ **LESSON OPENING:** *Lesson openers establish a purpose, are engaging and activate prior knowledge.*
- ☐ **EXPLORATION:** *Activities that help students make discoveries related to big ideas(s) and promote student inquiry.*
- ☐ **CHECK FOR UNDERSTANDING:** *Determine the student's level of understanding as it relates to the big idea, essential questions and learning objectives. Use methods that assess all learners and addresses the next steps based on the assessment results.*
- ☐ **EXPLANATION:** *Information delivered so that students develop a mastery of the objectives. Includes explicit learning strategies, multiple representations of info provided, frequent opportunities for response and practice and a variety of student centered learning activities.*
- ☐ **CHECK FOR UNDERSTANDING:** *Determine the student's level of understanding as it relates to the big idea, essential questions and learning objectives. Includes a plan for re-teaching material as needed.*
- ☐ **EXTENDED PRACTICE:** *Activities used to help deepen understanding and provide for greater fluency and accuracy of new skills.*
- ☐ **CLOSING:** *A review of big ideas for the purpose of tying ideas together, transitioning to next lesson or continuing practice.*

Adapted from: Research Effective Instruction Prose, February 2009

E3T UDL Principles Checklist

As you plan your lesson, keep track of the UDL principles you have included. The goal is to include as many as possible. This checklist is attached in the lesson planning form on our website.

- ☐ Make expectations (objectives, rubrics, grading) explicit from the start
- ☐ Include multiple ways to engage students
- ☐ Include multiple means of representing the big ideas
- ☐ Include alternatives to the text e.g. website, article, video, audio summary, or lower reading level text
- ☐ Include checks for understanding to shape instruction
- ☐ Include methods that require students' active participation
- ☐ Include a choice of learning options that provide greater support or challenge
- ☐ Include options to help students learn from the text and classroom materials e.g., text-reader, comprehension supports
- ☐ Provide step by step instructions for using learning strategies
- ☐ Provide access to class notes in various formats e.g., outline, graphic, studycast
- ☐ Include multiple ways for students to show what they know (formative and summative assessment)

Engage, Expand & Encompass Through Technology

http://e3t.org

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Example: What's in Your Web?

What's in Your Web?

Post Class Information:
- Introduction to you and your class
- Course Syllabus
- Your Class Expectations Including:
  - grading scale
  - attendance,
  - participation
  - general assignment expectations
  - late work
- Your Class Procedures
  - How to turn in homework,
  - Rules about late work,
  - What to do in case of absence
- Your Calendar & Unit Sequence
- Daily Homework

Unit Resources to include:
- Big Ideas
- Assessments and rubrics
- Class Notes
- Presentation documents
- Study Guides
  - Studycasts
  - Graphic Organizers
  - Quizlet Cards
- Video explanations
- Additional reading materials
- Images
- Supplemental Materials
  - For additional practice or
  - For extension on a topic

A Place for Students to...
- Ask Questions
- Provide Feedback to other Students
- Collaborate
- Share their voice
- Showcase their work: Authentic Audience

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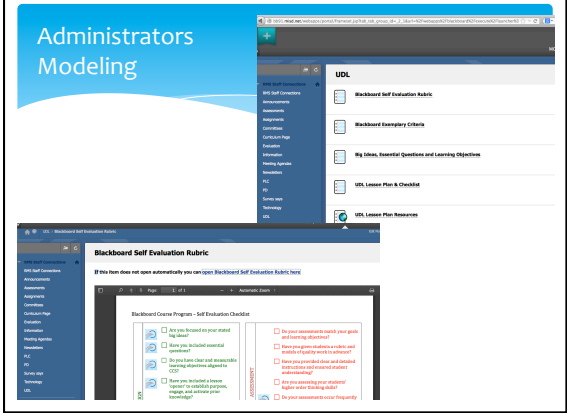
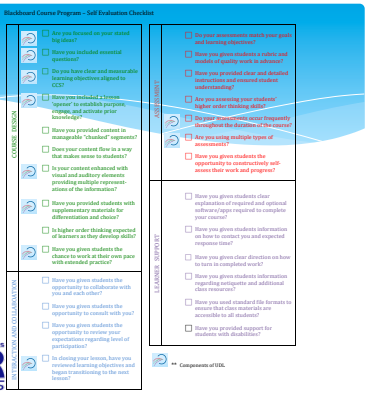
Administrators Modeling



21st Century Literacy Teachers Leading



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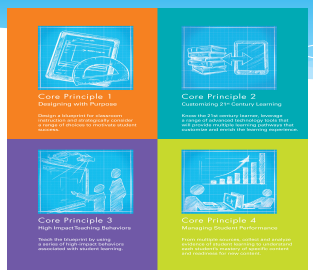
Modern Teacher: Building on the UDL Framework

* Modern Teacher
  * Teacher as Architect
  * https://www.modernteacherone.com/
    * Digital Resource Library

Modern Teacher



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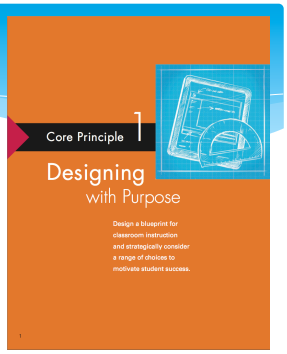
Designing with Purpose

The new ask of society has become not only to educate all students to higher proficiency levels (as indicated by policies like NCLB), but to produce a new workforce that can compete in a 21st century global marketplace.



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Design Tools

* Continuum of Learning (Year Long Plans)
* Blended Units of Instruction (Unit Plans)
* Lesson Plans

* Instruction Designed around Pedagogy

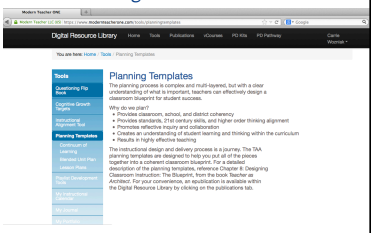
Direct Instruction

Constructivist

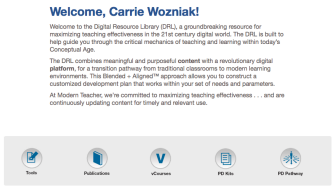
Inquiry – Based

The Role of the Modern Teacher DRL

* Professional Development in a Blended Environment
* Unit Design and Lesson Planning Tools



What's Next



Questions?

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