

Imagine a 2nd grade classroom where...

- students take control of their own learning
- students track their own progress and can report on it
- students know and follow procedures to keep the classroom running smoothly
- students work independently, in small groups, on technology, or with the teacher, all at the same time
- students are working at their own pace and move onto the next skill when they are ready

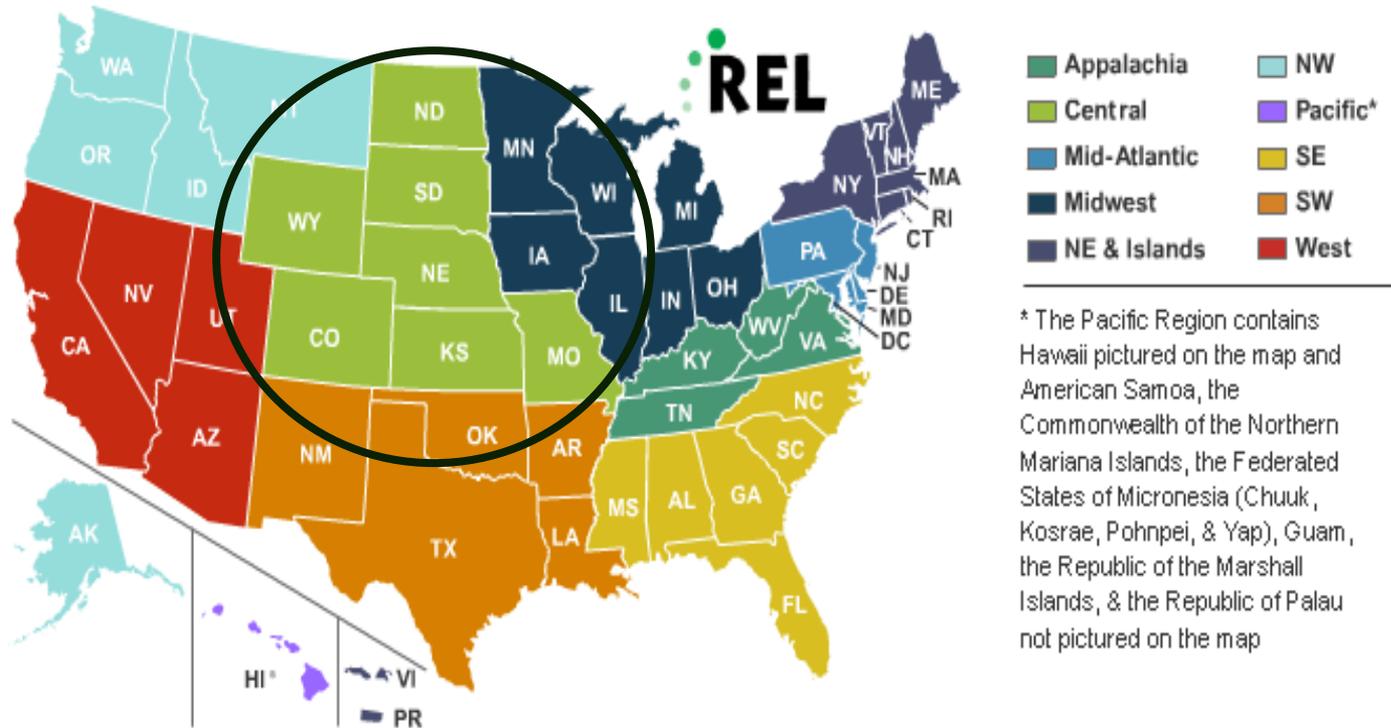
A Framework for CBE

David C. Yanoski

Researcher – College and Career
Readiness Research Alliance, REL Central



Who is REL Central?



AUGENBLICK,
PALAICH AND
ASSOCIATES



Agenda

- What is CBE?
- Promising Research
- A Framework for Implementing CBE

What is CBE?



Current REL research

- REL Central
 - Overview of selected state policies and supports related to competency-based education
 - Measuring student progression and teachers' assessment of student knowledge in a competency-based education system
 - Summary of research on online and blended learning programs that offer differentiated learning options
- REL NEI
 - Competency-based learning: Definitions, policies and implementation

Promising research findings

Nellie Mae Foundation (2015):

- Implementation of CBE varies widely
- Increase in student intrinsic motivation
- Increase in perception of self-efficacy in math

Promising research findings

Rand Corporation/Gates Foundation (2015):

- Positive effect size in math and reading
- Lowest performing students made substantial gains, growth in all students
- The majority of treatment schools had positive results

What is CBE?



Competencies

What does the student need to know or be able to do in order to graduate?



Things to Consider...

- Standards
- College and Career Readiness Skills
- Format

Brainstorm...

- Using the chat box, share one thing your school or district could do to implement this step of the framework...

Instruction

How is
instruction
organized to
address
individualized
needs?



Things to Consider...

- Data
- Teacher Role
- Various Learning Needs
- Use of Time

Things to Consider...

- Instructional Technology
- Classroom organization, procedures, and structures
- Use of staff

Brainstorm...

- Using the chat box, share one thing your school or district could do to implement this step of the framework...

Assessment

How do students demonstrate success on the competencies?



Things to Consider...

- Demonstrating mastery
- The Role of Common Assessments
- State Accountability Requirements

Brainstorm...

- Using the chat box, share one thing your school or district could do to implement this step of the framework

Anytime/Anywhere Learning

Where,
when and
how does
instruction
and
assessment
occur?



Things to Consider...

- Where
- Tracking of student progress
- How much

Brainstorm...

- Using the chat box, share one thing your school or district could do to implement this step of the framework...

Progression/Graduation

How does the student move through the system in order to graduate?



Things to Consider...

- Credits
- Graduation Requirements
- Student advancement
- Timing
- Diplomas

Brainstorm...

- Using the chat box, share one thing your school or district could do to implement this step of the framework...

Sources

- Brodersen, R.M., Mason, K., Piscatelli, J., Yanoski, D., Apthorp, H. (in press). *Overview of state policies and supports related to competency-based education*. Washington, DC: U.S. Department of Education, Institute of Education Sciences, National Center for Education Evaluation and Regional Assistance, Regional Educational Laboratory Central.
- Brodersen, R. M., & Melluso, D. (in press). *Summary of research on online and blended learning programs that offer differentiated learning options*. (REL 2016–0TK). Washington, DC: U.S. Department of Education, Institute of Education Sciences, National Center for Education Evaluation and Regional Assistance, Regional Educational Laboratory Central.
- Brodersen, R. M., & Randel, B. (in press). *Measuring student progression and teachers' assessment of student knowledge in a competency-based education system*. (REL 2016–TK). Washington, DC: U.S. Department of Education, Institute of Education Sciences, National Center for Education Evaluation and Regional Assistance, Regional Educational Laboratory Central.
- Nellie Mae Foundation, (2015). *Looking under the hood of competency-based education: The relationship between competency-based education practices and students' learning skills, behaviors, and dispositions* (Executive Summary). Quincy, MA: Author.
- Pane, J.F., Steiner, E.D., Baird, M.D., & Hamilton, L.S. (2015). *Continued progress: Promising evidence on personalized learning*. Santa Monica, CA: RAND Corporation.
- Scheopner Torres, A., Brett, J., & Cox, J. (2015). *Competency-based learning: Definitions, policies, and implementation*. Waltham, MA: REL Northeast and Islands, Education Development Center.
- Sturgis, C., Patrick, S., Pittenger, L. (2011). *It's not a matter of time: Highlights from the 2011 competency-based learning summit*. Vienna, VA: iNACOL

For More Information:

- REL Central's College and Career Readiness Alliance: <http://www.relcentral.org/research-alliances/ccrra/>
- Ask A REL: <http://www.relcentral.org/ask-a-rel/>
- david.yanoski@marzanoresearch.com



NORTH DAKOTA DEPARTMENT OF
PUBLIC INSTRUCTION

For Information on ND's Competency-Based Education Initiative

Contact:

Gail Schauer, Director

Teacher and School Effectiveness

(701) 328-2755

gschauer@nd.gov

www.nd.gov/dpi/SchoolStaff/TSE/initiatives/CBE/