

A green chalkboard with two pieces of pink chalk and some faint white chalk markings. The chalk is positioned in the lower-left quadrant. The background is a soft, out-of-focus green.

Canton High School

September 1, 2010

Faculty Meeting

Agenda

- New Members
 - *Department Coordinator Introductions*
- “Getting to Know You...”
 - *Year 1 to Year ??*
- What Works in Classroom Instruction
 - *Small Group Discussion*
- Wrap-up
 - *What Research Says*
- Tomorrow
 - *Mandatory Trainings*



“Getting to Know You...”

- Step 1:
 - *The Continuum Dialogue will require participants to stand on a arc according to their years of service to the Canton Public Schools: Those with the longest service to the right, those new to the district to the left. The Continuum is an arc so that people can see each other.*
- Step 2:
 - *The arc will now fold in on itself so that those with the most service are now standing opposite with those new to the system.*

“Getting to Know You...”

- Step 3: Through timed dialogue, pairs will explore the following questions:
 - *For those who have served in the school longer:*
 - How long have you served at CHS? In what capacity (ies)?
 - What are the school’s strengths?
 - What excites you about your work?
 - *For those new to the school, share:*
 - Where are you coming from?
 - What drew you to Canton?
 - What do you hope to bring to the school?



School Goals for 2010-2011

- What can be done to increase student engagement in their learning *without lowering standards?*
- Begin the Formal Self-Study in preparation for our NEASC re-accreditation visit on November 4-7, 2012

Do We Make A Difference?

- The largest thing to influence student success is the teacher...

Who

implements appropriate strategies
to engage students



Effective Teaching Strategies

- Based on Research
- Make tremendous differences in student achievement



Classroom Instruction that Works

Robert Marzano, Debra Pickering, and Jane Pollock reviewed hundreds of studies on instructional practices that have proven to effect student achievement.



First...Some Statistics

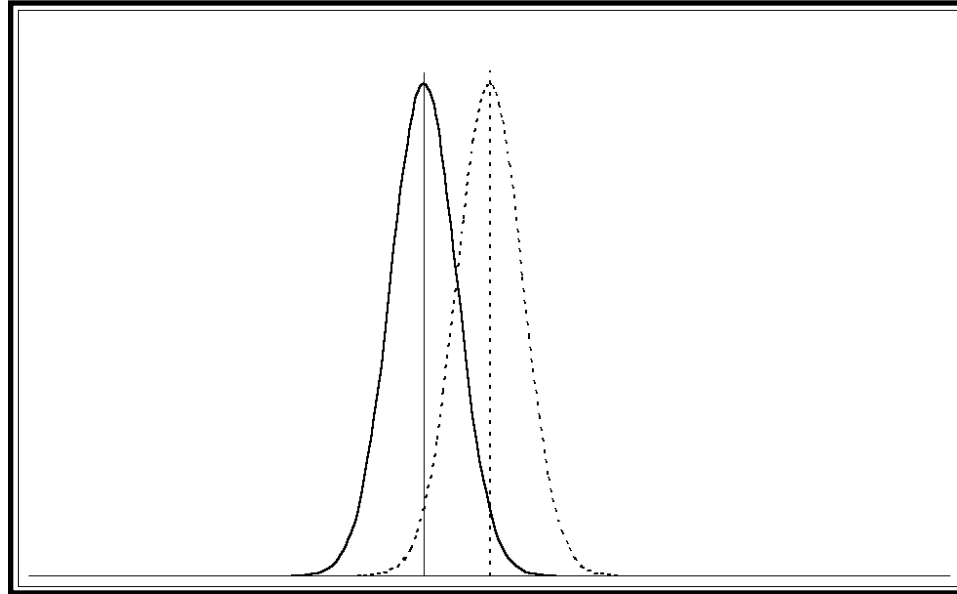


Effect Size

- Marzano summarizes findings from educational research studies in quantitative terms, using the following effect size formula:

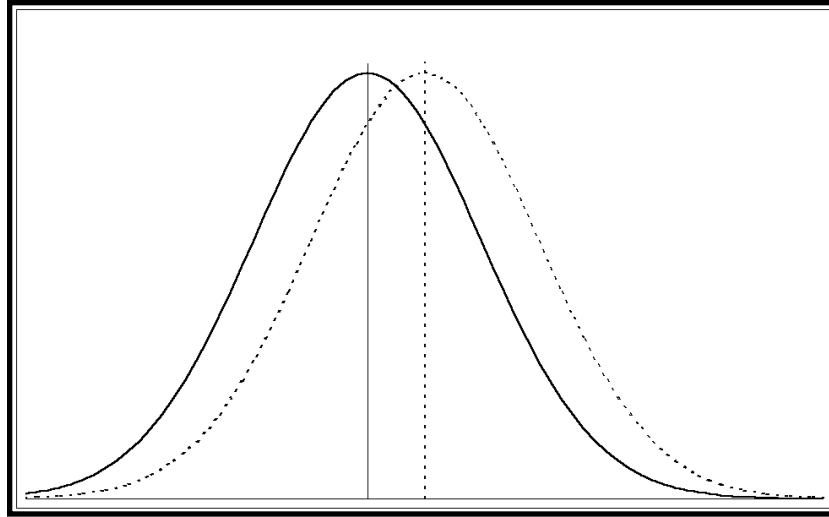
$$\frac{\text{Mean of experimental group} - \text{mean of control group}}{\text{The population standard deviation}}$$

Significant Difference



- Very little overlap means there *may* be a significant difference

Significant Difference



- Lots of overlap means there *may not* be a significant difference

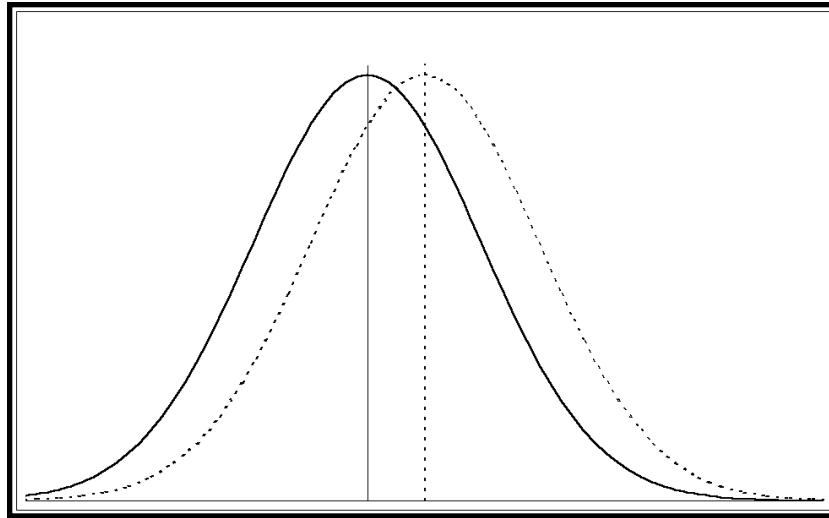
So What Strategies Do You Use?



Marzano Identifies Nine Strategy Categories

- Setting Objectives and providing feedback
- Homework and Practice
- Summarizing and Note Taking
- Generating and Testing Hypotheses
- Cooperative Learning
- Identifying Similarities and Differences
- Questions, Cues, and Advanced Organizers
- Nonlinguistic Representations
- Reinforcing Effort and Provide Recognition

Percentile Gain



- Percentile Gain is difference between control group and those students exposed to the specific strategy.

Sort The Strategies

With your group, sort the Strategies from least effective to most effective.



Lowest Five

- Questions, Cues, & Advance Organizers
 - *Percentile Gain: 22 points*
 - But this is 80% of what happens in class!
- Generating and Testing Hypotheses
 - *Percentile Gain: 23 points*
- Setting Objectives & Providing Feedback
 - *Percentile Gain: 23 points*
- Cooperative Learning
 - *Percentile Gain: 27 points*
- Nonlinguistic Representations
 - *Percentile Gain: 27 points*

Most Impactful

- Homework and Practice
 - *Percentile Gain: 28 points*
- Reinforce Effort and Provide Recognition
 - *Percentile Gain: 29 points*
- Summarize and Note-Taking
 - *Percentile Gain: 34 points*
- Identifying Similarities & Differences
 - *Percentile Gain: **45 points***

Planner and a Poster

- Put the poster up in your room



Tomorrow

- Faculty meeting in the cafeteria at 8am. Please arrive on time as these trainings are mandatory for all employees.
- Department meetings to follow.

