

# CREATING AN ALIGNED SYSTEM

TO DEVELOP GREAT TEACHERS WITHIN THE FEDERAL RACE TO THE TOP INITIATIVE

## APPENDIX A

41 KEY STRATEGIES IDENTIFIED BY RESEARCH  
FOR EFFECTIVE TEACHING

## Dr. Robert Marzano's Observation & Feedback Protocol

### 41 Key Strategies Identified by Research for Effective Teaching

Researched by Dr. Robert Marzano

#### What will I do to establish and communicate learning goals, track student progress, and celebrate success?

Research-based strategies for establishing learning goals, tracking student progress, and celebrating success:

- 1) Providing Clear Learning Goals and Scales (Rubrics)
- 2) Tracking Student Progress
- 3) Celebrating Success

#### What will I do to establish and maintain classroom rules and procedures?

Research-based strategies for establishing and maintaining classroom rules and procedures:

- 4) Establishing Classroom Routines
- 5) Organizing the Physical Layout of the Classroom

#### What will I do to help students actively interact with the new knowledge?

Research-based strategies for introducing new content to students and interacting with new knowledge:

- 6) Identifying Critical Information
- 7) Organizing Students to Interact with New Knowledge
- 8) Previewing New Content
- 9) Chunking Content into "Digestible Bites"
- 10) Processing New Information
- 11) Elaborating on New Information
- 12) Recording and Representing Knowledge
- 13) Reflecting on learning

#### What will I do to help students practice and deepen their understanding of new knowledge?

Research-based strategies where students are practicing and deepening their new knowledge:

- 14) Reviewing Content
- 15) Organizing Students to Practice and Deepen Knowledge
- 16) Using Homework
- 17) Examining Similarities and Differences
- 18) Examining Errors in Reasoning
- 19) Practicing Skills, Strategies, and Processes
- 20) Revising Knowledge

### What will I do to help students generate and test hypotheses about new knowledge?

Research-based strategies where students are generating and testing hypothesis:

- 21) Organizing Students for Complex Tasks
- 22) Engaging Students in Cognitively Complex Tasks Involving Hypothesis Generation and Testing
- 23) Providing Resources and Guidance

### What will I do to engage students?

Research-based strategies for engaging students:

- 24) Noticing when Students are Not Engaged
- 25) Using Academic Games
- 26) Managing Response Rates
- 27) Using Physical Movement
- 28) Maintaining a Lively Pace
- 29) Demonstrating Intensity and Enthusiasm
- 30) Using Friendly Controversy
- 31) Providing Opportunities for Students to Talk about Themselves
- 32) Presenting Unusual or Intriguing Information

### What will I do to recognize and acknowledge adherence and lack of adherence to rules and procedures?

Research-based strategies for recognizing and acknowledging adherence or lack of adherence to rules and procedures:

- 33) Demonstrating "Withitness"
- 34) Applying Consequences for Lack of Adherence to Rules and Procedures
- 35) Acknowledges Adherence to Rules and Procedures

### What will I do to establish and maintain effective relationships with students?

Research-based strategies for establishing and maintaining effective relationships with students:

- 36) Understanding Students' Interests and Background
- 37) Using Verbal and Nonverbal Behaviors that Indicate Affection for Students
- 38) Displaying Objectivity and Control

### What will I do to communicate high expectations for all students?

Research-based strategies for communicating high expectations for all students:

- 39) Demonstrating Value and Respect for Low Expectancy Students
- 40) Asking Questions of Low Expectancy Students
- 41) Probing Incorrect Answers by Low Expectancy Students